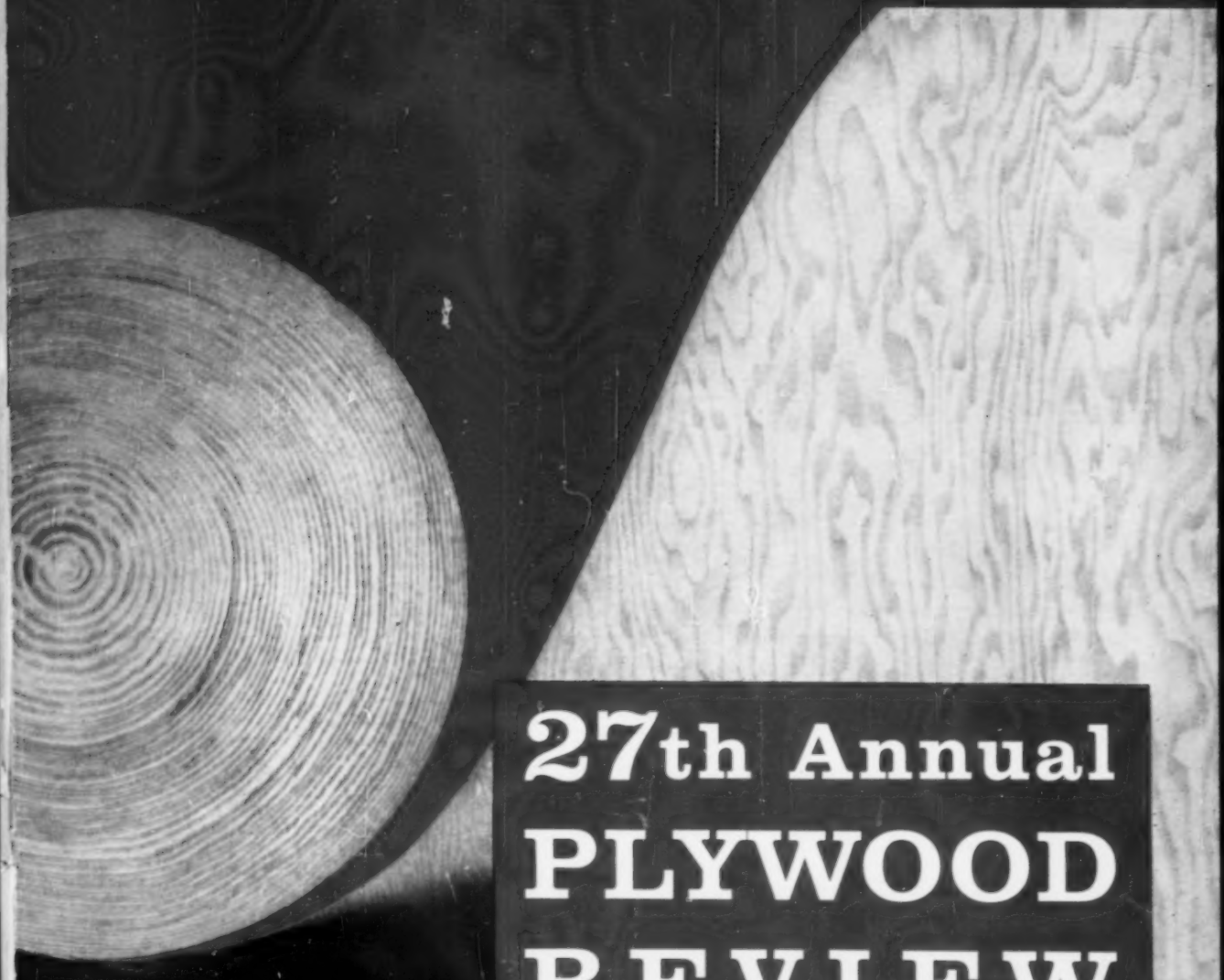
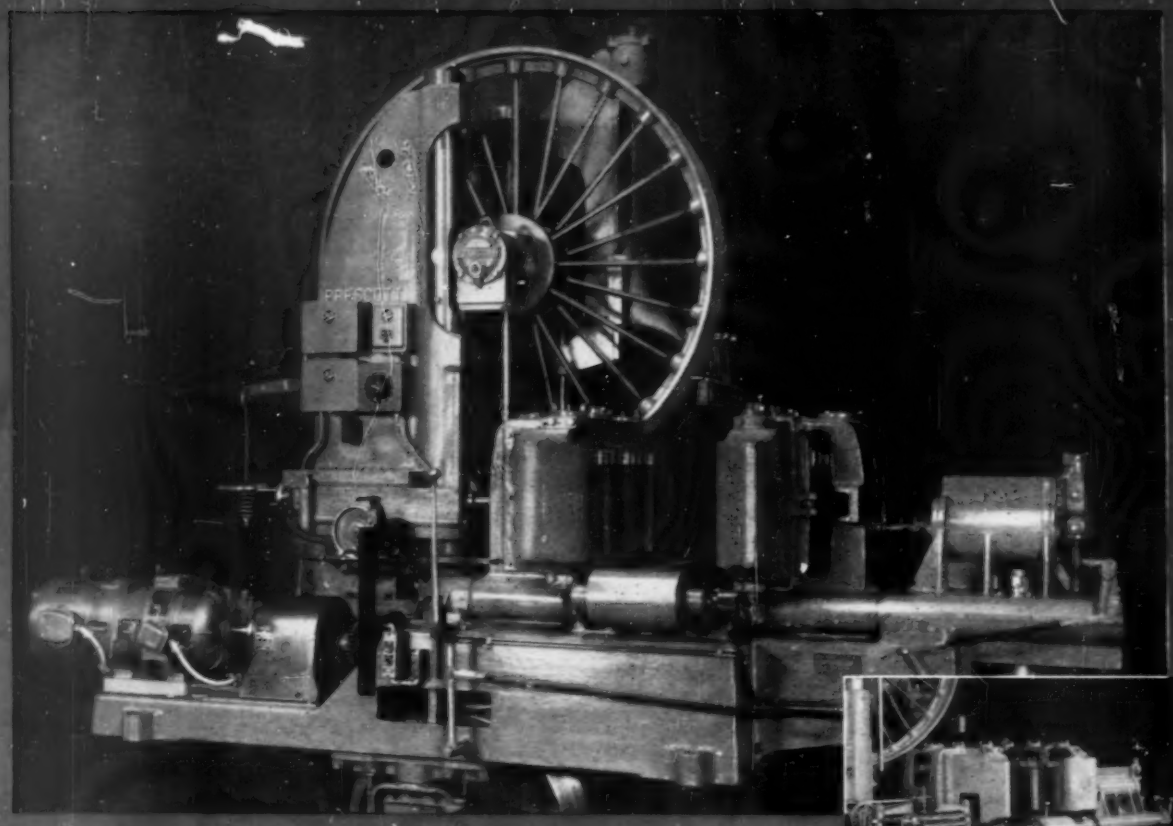
JANUARY, 1958
(Published December 27, 1957)

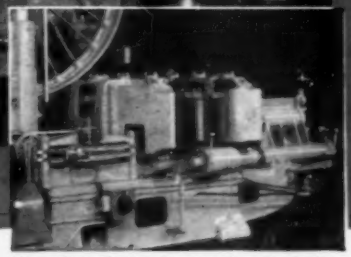
THE Lumberman

LUMBER PLYWOOD BOARD WOOD MANUFACTURING



27th Annual PLYWOOD REVIEW





Heavy-Duty Feedworks — safe, vibrationless, extremely compact and precisely accurate. Eliminates wane and scant sawing.

PRESCOTT *vertical resaws...for the profitable production of more saleable lumber per log*

Increase your mill's output and reduce your operating expenses by installing a Prescott Vertical Resaw to get *all* the lumber out of *every* log. Precise mechanical accuracy gives you much better grade recovery — better sawing in all grades — and a high volume of smooth, straight, saleable lumber. Prescott Vertical Resaws minimize waste — practically eliminate downtime — deliver efficient, day-after-day performance for years — and return a greater net profit to you.

Here's how they do it — some of the major features of Prescott Vertical Resaws, combining the latest advances in resaw engineering and basic service-proved Prescott designs:

- Practical, Heavy-Duty Sizes — 5-6-7 Foot
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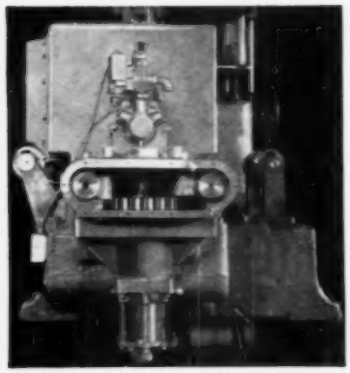
- Perfectly Balanced Wheels and Shafts
- Self-Aligning Roller Bearings
- Simplified, Ultra-Sensitive Knife-Edge Straining Device
- Compact, Heavy-Duty Feedworks System
- Continuously Variable Feedworks Drive
- Pre-Set or Lever Air Setworks
- Side Sawing and Self-Centering — Instantly Changeable
- Completely Self-Contained



Double Rack and Pinion Combination Setworks — spring-proof and instantly changeable from side sawing to self-centering.

New . . . Illustrated Literature containing complete technical data and detailed specifications is now available. Call, wire or write for this comprehensive material on Prescott Vertical Resaws or the services of one of Prescott's experienced sawmill engineers.

For Profitable Sawmill Operation... **SPECIFY**

PRESCOTT

HIGH EFFICIENCY, HEAVY-DUTY SAWMILL MACHINERY

THE PRESCOTT COMPANY, *Menominee, Mich.*

POPE & TALBOT, INC. – another Washington particle board press installation

Washington automatic press loader.

From the earliest stages of planning a particle board plant with production capacity of 12 million square feet annually on a ¼" basis, Pope & Talbot, through the engineering and machinery firm of Miller Hofft Inc., worked closely with Washington Iron Works, designer and manufacturer of the multiplaten press and companion loading and unloading equipment. Close contact with engineering of process and plant gave assurance that these key equipment units would match the special requirements of process and product.

Firms planning expansion, modernization or new construction of hardboard, particle board or plywood plants can be sure of these same high standards of quality and production at lower cost by calling in Washington Iron Works at the start. The proven performance of Washington-built equipment in the Pope & Talbot plant and in other plants throughout the industry has earned a reputation for dependable, efficient operation. For complete information on custom-built press equipment for automatic operation, write WASHINGTON IRON WORKS, 1500 6th Avenue South, Seattle 4, Washington.

Ralph Poinecke (center), superintendent of the Pope & Talbot particle board plant at Oakridge, Oregon, reviews the successful operation with representatives from Washington Iron Works and Miller Hofft Inc., plant and process engineers. In the background are the Washington 16-opening hot press, loader and unloader, key units in the manufacture of Pope & Talbot particle board.

• • •

Other hardboard and particle board plants who are using, or have on order, Washington multiplaten press equipment are:

Poinsett Lumber & Manufacturing Co., Pickens, S. C. (Subsidiary of Singer Manufacturing Co.)
Columbia Hardboard Co., Everett, Wash.
Abitibi Power & Paper Co., Sturgeon Falls, Ont.
Georgia-Pacific Corp. (Coos Bay Timber Div.) Coos Bay, Ore.
Timber Engineering Co., Washington, D. C.
American Paperboard Corp., Black Mountain, N. C.
Carolina Forest Products Inc., Wilmington, N. C.
Johns-Manville Corp., Natchez, Miss.
Gray Products Co., Waverly, Va.
Masonite Corp. (Australia) Ltd., Eildon, Victoria
Cuban Bagasse Products S. A., Havana, Cuba
West Virginia Pulp & Paper Co., Tyrone, Penn.
Kroehler Manufacturing Co., Meridian, Miss.
Daiken Trade & Industries Co. Ltd., Tokyo, Japan

WASHINGTON presses and accessory equipment

HOT PLATE PRESSES • PULP BALING PRESSES • SPECIAL HYDRAULIC PRESSES • AUTOMATIC PRESS LOADERS AND UNLOADERS • COMPLETE DRY PROCESS HARDBOARD FORMING LINE EQUIPMENT

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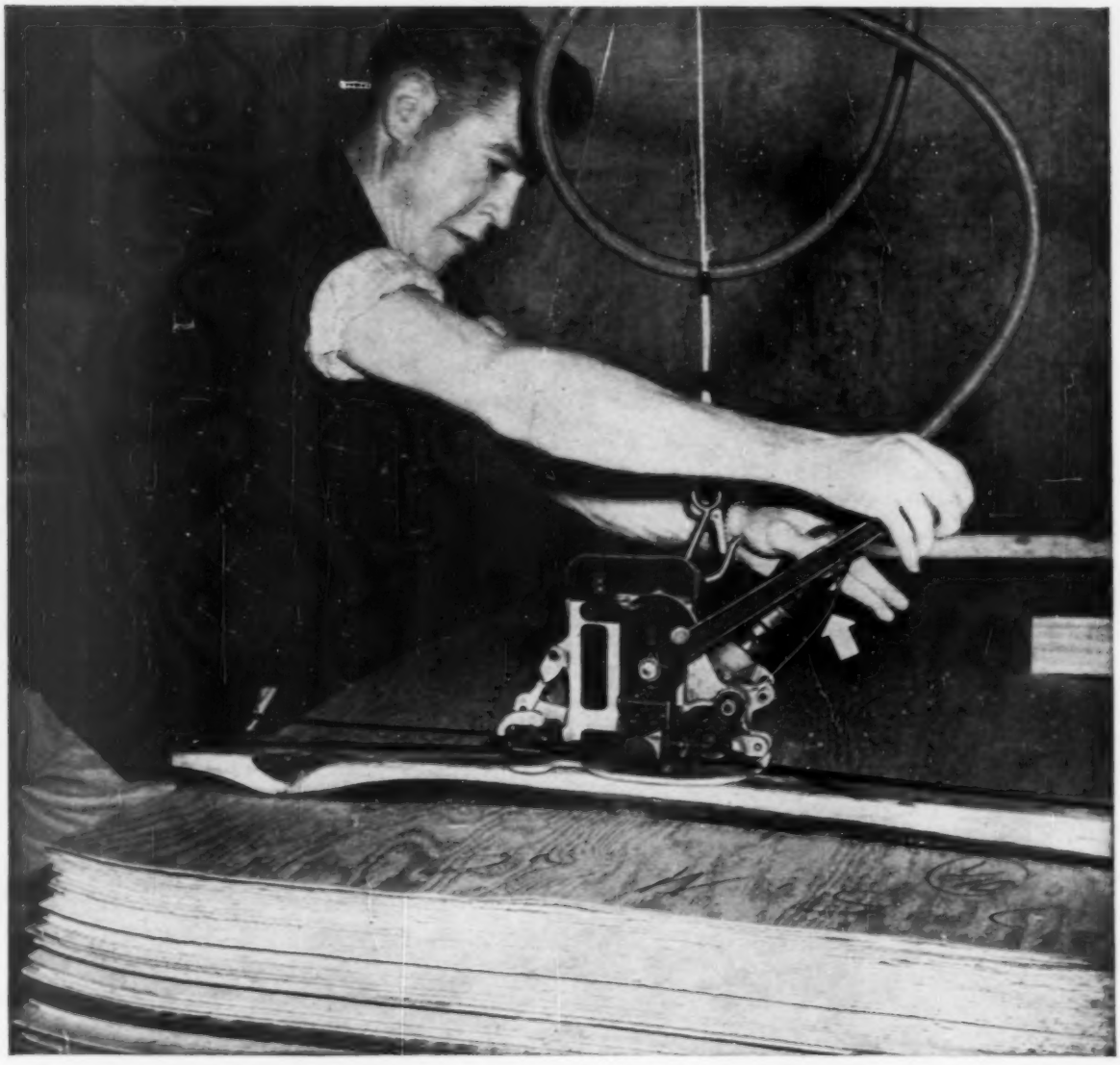

Fast, new way to strap plywood and veneer

Tightening steel strapping by hand can be hard work on big compressible bundles like veneer. But this fellow is doing it the fast, easy way. He's using Signode's new air-powered strapping machine. It has plenty of power for fast take-up. You pre-set the tension and you get it automatically every time—up to 1600 pounds. A light squeeze on the air valve (arrow), a quick stroke of the handle, and another strap is tensioned, sealed, and cut off from the coil. No strap wasted; no time wasted; less operator fatigue; no tensioning errors. Uses ⅝" or ¾" Signode steel strapping; automatic seal-feed magazine holds 75 seals. There is nothing else like it! Your Signode representative can show you. No obligation. Just write:

SIGNODE STEEL STRAPPING CO.

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Pittsburg, Calif., Loveridge Road; Eugene, 1955 Todd; Portland, 1519 N. W. Irving St.; Seattle, 2 Hanford St.; Spokane, 417 Paulsen Bldg.; Olympia, 1024 Eskridge Blvd.; Canadian Steel Strapping Co., Ltd., Vancouver, B. C.

VOLUME 85 • NUMBER 1

January, 1958

(Published December 27, 1957)

EDGAR P. HOENER
Publisher and General Manager

THE Lumberman

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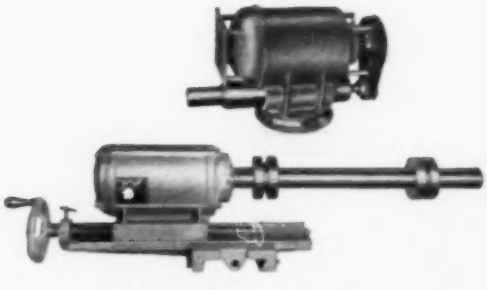
10 ways to cut costs with MEREEN-JOHNSON WOODWORKING

No. 442-MT COMBINATION SAW—A versatile machine for ripping, cross-cutting, grooving, dadoing, beveling and mitering. Cuts up to 48″ wide and rips up to 50″ wide. Handles large stock easily. *Described in Bulletin No. 442-MT.*



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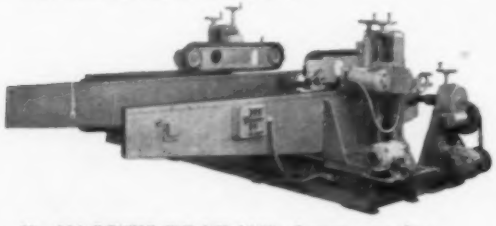
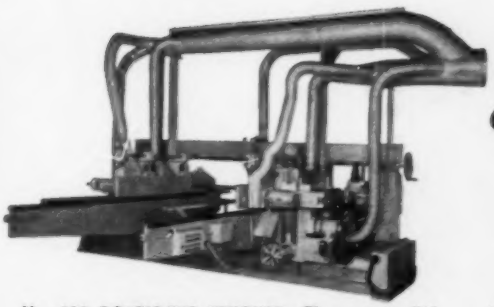
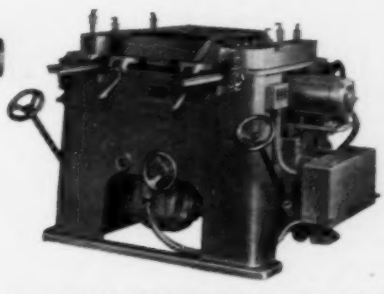


No. 600 DOUBLE CUT-OFF SAW—Accurate production at high rates of feed. Labor saving attachments such as cope motors, dado arbors and other equipment are available for specific needs. Larger sizes available. *Described in Bulletin No. 600.*

No. 477 CUT-OFF SAW—Capacity equals two or three swing, straight line or roller carriage cut-off saws—depending on type and condition of stock used. An excellent machine for box work. *Described in Bulletin No. 477.*

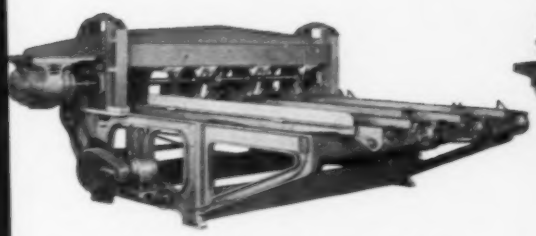


No. 400 DOUBLE-END TENONER—Sizes up to 20′ to fit your requirements. Will square-cut up to 96″ ahead of trim saws. Numerous accessories to multiply its usefulness. *Described in Bulletin No. 400.*

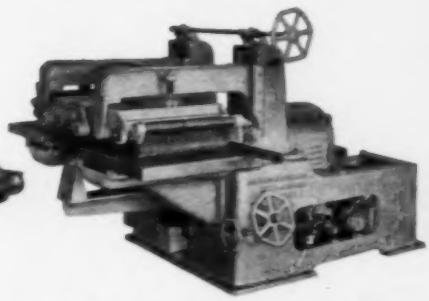


No. 326 MATCHER-JOINTER—For sash and door, furniture and box factories—as well as for many special uses. Adaptable for jointing hogshead staves. Unequalled for "T" and "G" work. *Described in Bulletin 326.*

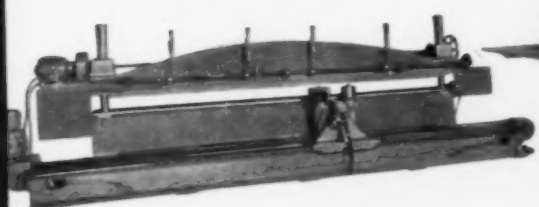
MACHINES



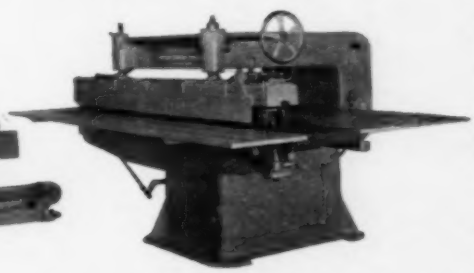
No. 435-H MULTIPLE CUT-OFF SAW—Cuts long boards into short pieces . . . will square cut large size sheets . . . and will cut any number of grooves. Excellent for sizing plywood. *Described in Bulletin No. 435-H.*



No. 441-A GANG RIP SAW—For fast production on difficult gang ripping jobs. Eight power driven feed rolls...12″, 19″, or 24″ saw space. Up to 150 HP. Variable feed drive up to 300 ft. per minute. Glue joint accuracy. *Described in Bulletin No. 441-A.*



VENEER JOINTER—Traveling head principle eliminates shifting. Perfectly joints bundles of veneer up to four inches thick. Sizes from 90″ to 212″. *Described in Jointer Bulletin.*



VENEER SPLICER—Makes precision tapeless joints. Adjusts automatically for varying thickness of veneer normally fed through machine. Welded steel frame with 49″ throat clearance at right. *Described in Bulletin No. 50.*

SEND

☐ BULLETIN 400

☐ BULLETIN 326

☐ BULLETIN 435-H

☐ BULLETIN 441-A

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INDUSTRY TRENDS

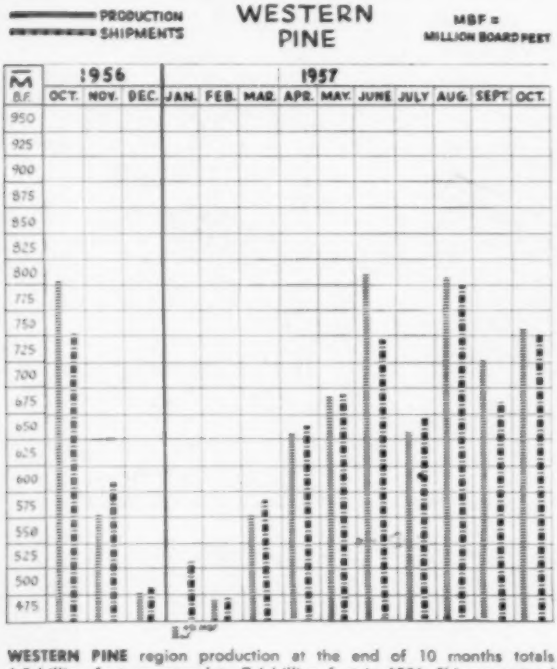
LUMBER PRODUCTION in 1957 will probably total 34 billion feet, about 9% under the 1956 level. Output in 1958 should run at about the same level, possibly higher. The 1958 picture for the lumber industry will be dependent to a large degree on the housing pace, estimated at 1.1 million, or perhaps 1.2 million units, and on the extent of the planned program to promote lumber.

NORTHERN HARDWOOD FLOORING production in 1957 will probably run 44.5 million feet, a decrease of 3% from 1956. Shipments for the year will total about 43 million feet, down 7% from 1956. New orders booked during 1957 totaled an estimated 47 million feet, a drop of 9% from a year ago.

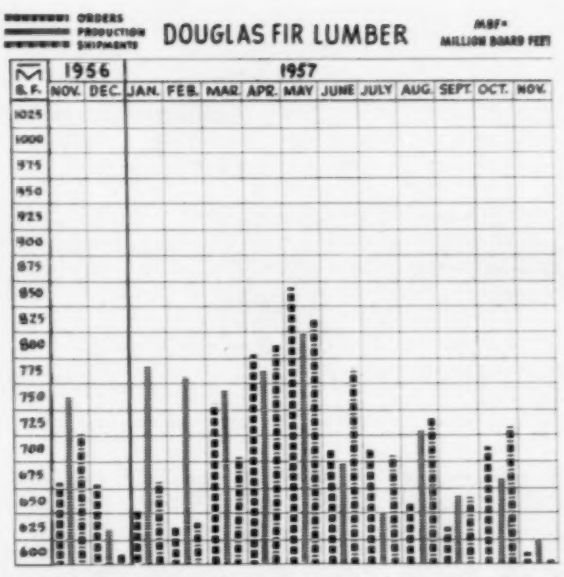
WOODEN BOX SHIPMENTS in the Pacific Northwest in October are down 3% from a year ago for 39 identical plants. The October, 1957, total of 27.2 million feet, compares to 28 million feet in October, 1956. Total shipments for the first 10 months are 306 million feet, down 5.4% from the 323.7 million feet of the first 10 months of 1956.

WATERBORNE LUMBER from British Columbia continues to climb, a trend noted several months ago, while, conversely, totals from western United States are continuing down. The B. C. pickup is definitely related to increasing movement to the United Kingdom, a trend start early in the fall. Possible reasons are a drop in ocean cargo rates and the appearance of shortages in the British lumber market in recent months.

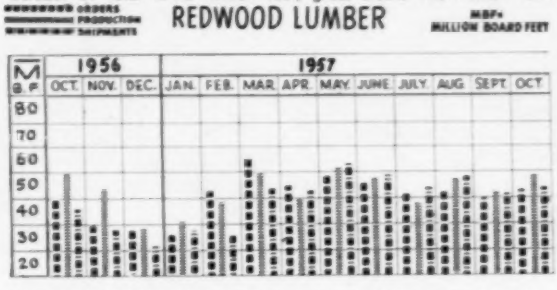
NATIONAL BOX PRODUCTION at the end of nine months totals 451.6 million feet, down 1.32 from the previous year. Increasing activity in the Inland Empire in the west—its September shipments were 127% above a year ago—is a bright spot. Shipments east of the Rockies are down 10.9%; west of the Rockies they are up 2.3%.



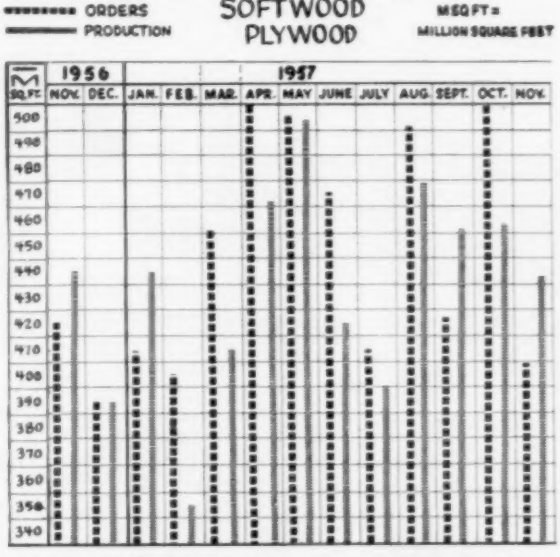
WESTERN PINE region production at the end of 10 months totals 6.5 billion feet, compared to 7.4 billion feet in 1956. Shipments total 6.6 billion square feet, compared to 7.1 billion feet in 1956. Gross stocks on October 31 total 2 billion feet, the same as in 1956.



DOUGLAS FIR region production at the end of 11 months totals 7.6 billion feet, compared to 8.2 billion feet a year ago. Orders to date are 7.5 billion feet, shipments 7.6 billion feet. Unfilled orders on October 31 total 471.8 million feet, gross stocks 992 million feet.



REDWOOD PRODUCTION for 10 months of 1957 totals 460 million feet, shipments 440 million feet, orders 429 million feet. In 1956, totals were 573 million feet production, 496 million feet orders, 519 million feet shipments. October 31 stocks are 395 million feet.



DOUGLAS FIR PLYWOOD production at the end of 48 weeks totals 4.99 billion square feet, up 4.2% over a year ago. Weekly production average is 104 million square feet, compared to 99.8 million square feet a year ago. Unfilled orders are at 289.6 million square feet.

STANDARD ENGINEER'S FIELD REPORT

PRODUCT RPM DELO OIL

FIRM ZWIGHT LOGGING CO.
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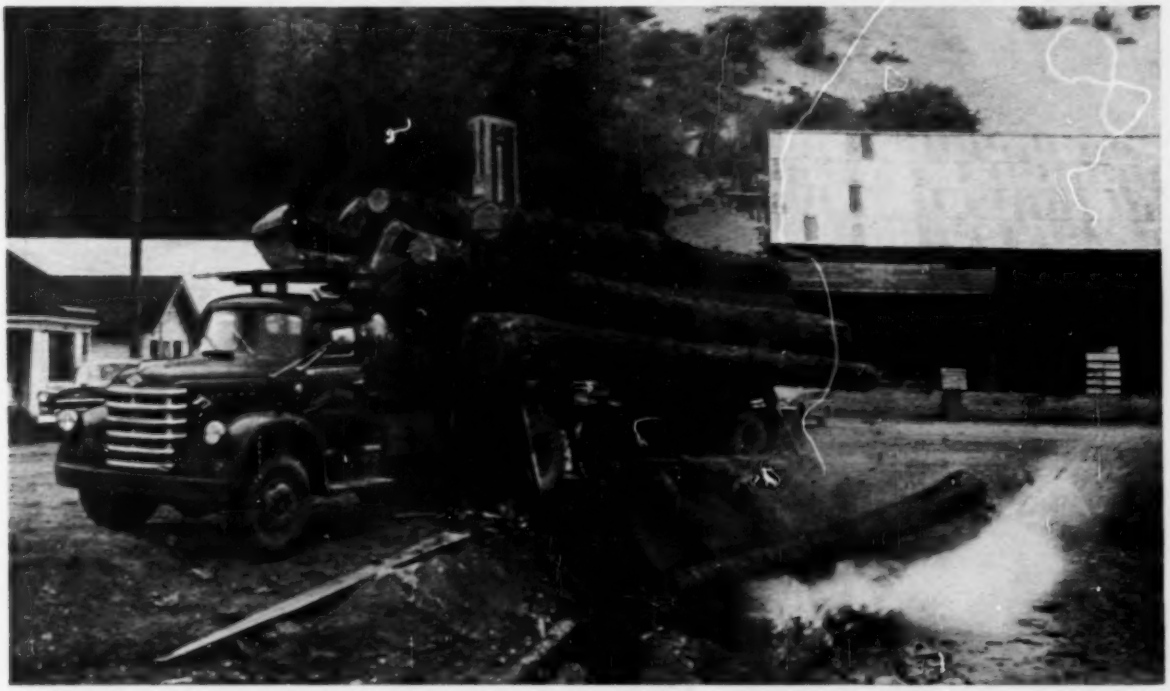
Logging trucks run 70,000 miles without engine repairs



Hauling from Logging Show to Mill, seven Zwight Logging Co. trucks using RPM DELO Oil ran an average of 70,000 miles each without engine repairs of any kind. That's the 16-year experience this Ardenvoir, Wash., firm has with RPM DELO Oil in its fleet of Diamond T trucks. Currently, company operates three trucks, like the one above, between 140 and 180 miles per day over temporary roads bulldozed into the mountains. Trucks are used seven months a year, replaced after six years' service.

Engine of General Crane Loader (above), a GMC 471 diesel, has operated 6500 hours on RPM DELO Oil without repairs. Guilford Zwight, co-owner of firm with his father, John Zwight, says, "We have used RPM DELO Oil for 16 years in all our heavy-duty engines. It keeps them in excellent operating condition, holds repairs to a minimum, simplifies maintenance." RPM DELO Oil is also used in three Chevrolet pickups, and two Allis Chalmers bulldozers.

Why RPM DELO Oils reduce wear—prolong engine life

- Oil stays on engine parts—hot or cold, running or idle
- Anti-oxidant resists lacquer formation
- Detergent keeps parts clean
- Special compounds prevent corrosion of bearing metals
- Inhibitor resists crankcase foaming

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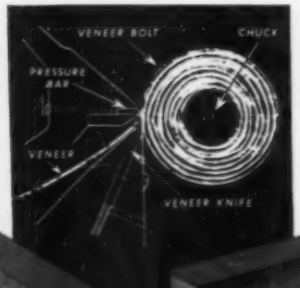

Gluttons for Cuttin'!

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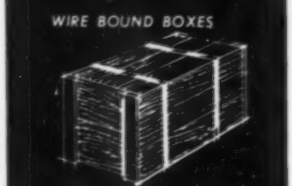
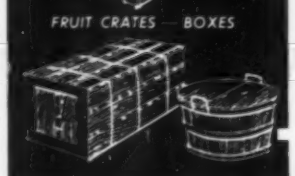
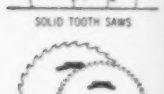
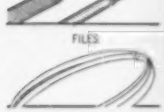




Other High Quality **SIMONDS** *Woodworking Products*





They thrive on the toughest work.

Knots and abrasion are taken in stride by these tougher, more rugged, keener-edged Veneer Knives. Tempered for tight veneer cutting, they hold a keen edge longer before requiring resharpening.

On lathes, slicers and clippers, Simonds "Red Streak" Knives will give you more "mileage" through hard or soft woods . . . hot or cold, wet or dry! They give the quality results and high production you expect for your knife money.

That's why it pays to use Simonds Knives all the time!

For Fast Service from Complete Stocks
Call your
SIMONDS Industrial Supply DISTRIBUTOR

125 YEARS OF GROWTH • 1832-1957
SIMONDS SAW AND STEEL CO.
FITCHBURG, MASS.

Factory Branches in Boston, Chicago, Shreveport, La., San Francisco and Portland, Oregon
Canadian Factory in Montreal, Que., Simonds Divisions: Simonds Steel Mill, Lockport, N. Y.
Heller Tool Co., Newcomerstown, Ohio, Simonds Abrasive Co., Phila., Pa., and Arvida, Que., Canada

with a COE Lathe

"turning for profit"

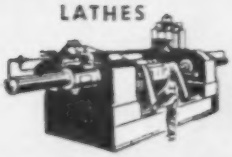
Coe lathes are fast in operation—easy to control—quickly adjustable to cut various thicknesses of veneer—built to serve for years to come with minimum upkeep attention.

You can be sure that a Coe lathe will "turn each log to maximum profit." These lathes are built in several types and sizes to meet your needs.

In addition to lathes, Coe has also specialized in building companion equipment such as clippers to follow and knife grinders to provide that keen razor sharp edge required for good performance of both. The Coe dryer has long been recognized as the best and most efficient machine to prepare green veneer for "laying up" into plywood.

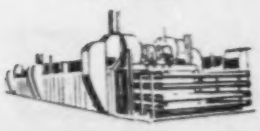
The COE MFG. Company ***PAINESVILLE, OHIO***

LATHES

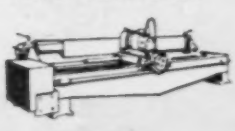


CLIPPERS

DRYERS



KNIFE GRINDERS



Work with your AIM*. . . Potlatch Forests does . . .

Acme Steel Strapping unitizes, braces plywood

POTLATCH FORESTS, INC., Plywood Department, Lewiston, Idaho, uses Acme Steel Strapping for unitizing and car bracing quality plywood so it stays in top-grade condition from mill to receiver. (Idea No. U1-10)

Acme Idea Man Don Hughes helped Potlatch Forests solve its plywood packaging and shipping problems.

Potlatch Forests cuts carloading time, eliminates damage to loose panels on top of the load, stops shuffling of plywood during transit. Plywood is in neat, square packages, ready for fast unloading and efficient storage with mechanical handling equipment. Arrival condition of the load is as good as when it left the mill—no downgrading of panels due to damage received in transit.

***Work with your Acme Idea Man** and make sure you're getting the best ideas for packaging and shipping your products. Write Dept. LBU-127, Acme Steel Products Division, Acme Steel Company, 1025 Sixth Avenue South, Seattle 4, Washington. Also Portland, Oregon.

ACME STEEL **STEEL STRAPPING**

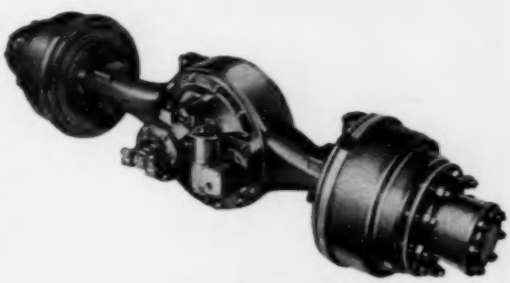
IN EATON 2-SPEED AXLES

REDUCES STRESS AND WEAR

ADDS TO AXLE LIFE • CUTS MAINTENANCE

KEEPS TRUCKS ON THE JOB • LOWERS OPERATING COST

Eaton's exclusive planetary construction distributes gear-tooth loads over four "planet" gears, holding stress and wear on any one gear tooth to a minimum. Completely locked out in the high speed range, these four gears rotate only slowly in the low speed range. The result is quiet operation, easy clash-free shifting, minimum wear, materially longer axle life. This rugged planetary design, plus forced-flow lubrication enables Eaton 2-Speeds to establish outstanding performance records. Eaton 2-Speeds also reduce stress and wear on engines and all power transmitting parts; they make it possible for trucks to haul more, quicker, longer, at lower cost.



More than Two Million
Eaton Axles in Trucks Today.
For complete information,
see your truck dealer.

EATON

AXLE DIVISION
MANUFACTURING COMPANY
CLEVELAND, OHIO

PRODUCTS: Engine Valves, Tappets, Hydraulic Valve Lifters, Valve Seat Inserts, Jet Engine Parts, Hydraulic Pumps Motor Truck Axles, Permanent Mold Gray Iron Castings, Forgings, Heater-Defroster Units, Automotive Air Conditioning Fastening Devices, Cold Drawn Steel, Stampings, Gears, Leaf and Coil Springs, Dynamatic Drives, Brakes, Dynamometers

G.P.'s Jackson (center) discusses lubrication during recent visit.

The Everett Lumber Co. of Everett, Washington, has long been a General Petroleum customer. When they set about modernizing their new plant, they called in R. N. Jackson, the G.P. representative, to assist them with their new lubrication problem.

One of the biggest acquisitions of new equipment was a Nicholson Roto-Barker. This unit is capable of handling logs up to 50 inches in diameter at 30 to 120 feet per minute.

Lubrication of the barker requires careful selection of proper lubricants. G.P.'s Jackson worked closely with the mill mechanics and engineers on servicing the many automatic and manual lube points of this new unit.

Whether you are installing new equipment or have lubrication problems with your present units, call your local General Petroleum office.

HELPING TO MODERNIZE

GENERAL PETROLEUM CORPORATION

3-196

NEW HUSTLE FOR '58 . . . CHEVROLET MEDIUM- AND HEAVY-DUTY HAULERS

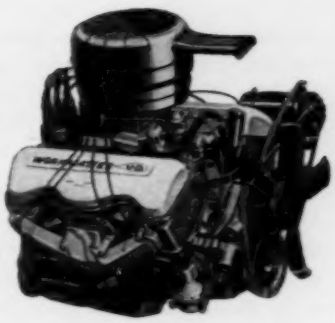
New V8 power! New 6 stamina!

New Chevrolet trucks bring you modern V8 engines with more staying power . . . great 6's built to keep on delivering on job after job after job. And a V8 so new in design it even looks different on the outside!

Here's *modern* truck power from Chevrolet! Standard in middleweight Series 50 L.C.F. models is a new edition of the Heavy-Duty Taskmaster V8 with 160 h.p. for fleet hauling and new durability features such as Stellite-faced exhaust valves. Standard in Series 60 models is the famous Jobmaster 6 with more power than ever (150 h.p.) and more built-in dependability as well.

And standard power in Series 70 and 80 models is new and better, too! The big Heavy-Duty Super Taskmaster V8, rated at a high 175 h.p. brings you new features that mean dollar-saving efficiency on jobs that work a truck hard.

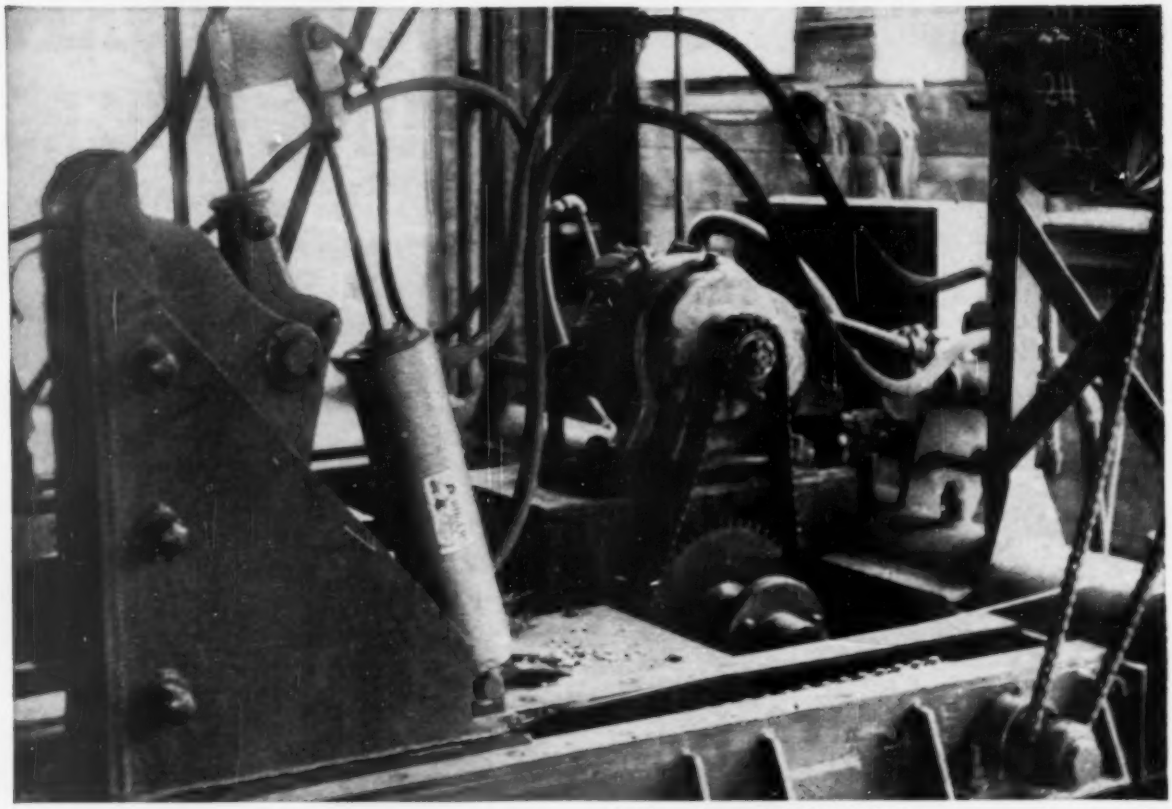
But that's not all! Series 90 and 100 trucks provide a *new kind* of big truck power, the 230-h.p. Workmaster V8, with revolutionary Wedge-Head design. It develops high power and torque at fuel-saving low r.p.m. See your Chevrolet dealer about Chevy's new brand of hustle! . . . Chevrolet Division of General Motors, Detroit 2, Mich.



All-new Workmaster V8 with Wedge-Head design! Combustion chambers are wedge-shaped to get extra power, top economy from regular grade fuel!

Latest editions of the "Big Wheel" in trucks

NEW CHEVROLET TASK·FORCE 58 TRUCKS CHEVROLET

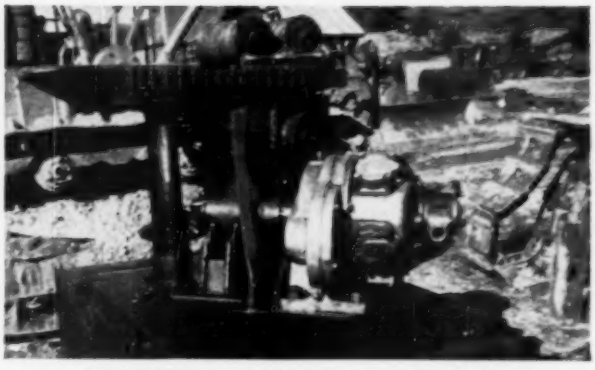


Gardner-Denver Model MEG air motor powering set works.

Never heat up . . . can't burn out . . . they're tough Gardner-Denver Air Motors

Constant starting and stopping won't heat up Gardner-Denver air motors. Drive them hard. When overloaded they just stall—never burn out. Gardner-Denver air motors stay on the job, require little maintenance. They're built to hook up and forget about.

Gardner-Denver air motors are easily adaptable to a wide range of mill jobs. They develop high torque at any speed, have remote-control advantages. Geared or direct drive models, from ¾ to 15 hp. Six sizes to choose from. Our engineers will gladly cooperate in the development of an application for your mill. Write for literature today.



Gardner-Denver air motor powering log loader.

ENGINEERING FORESIGHT—PROVED ON THE JOB
IN GENERAL INDUSTRY, CONSTRUCTION, PETROLEUM AND MINING

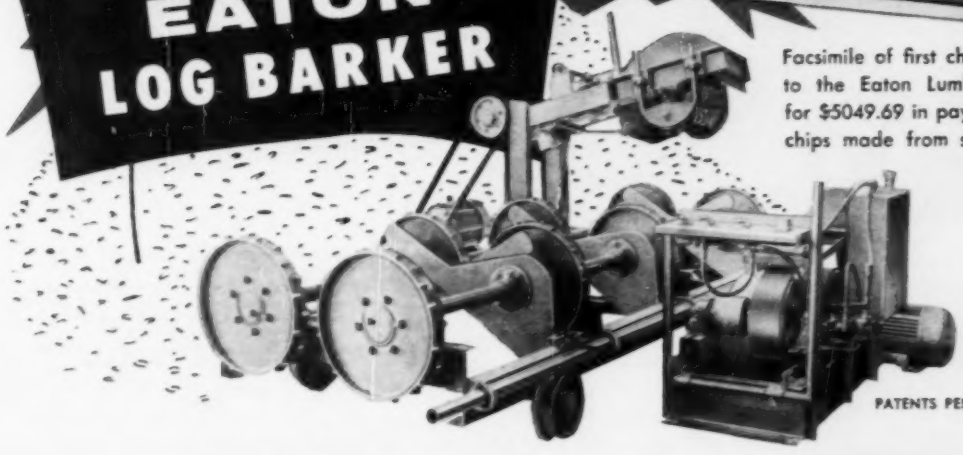
GARDNER - DENVER

Gardner-Denver Company, Quincy, Illinois
In Canada: Gardner-Denver Company (Canada), Ltd., 14 Curity Avenue, Toronto 16, Ontario
Branch Offices: Seattle, Vancouver, San Francisco, Los Angeles, Salt Lake City, Denver & Wallace, Idaho

WOOD WASTE "PAYS OFF"

Facsimile of first check made out to the Eaton Lumber Company for $5049.69 in payment for pulp chips made from sawmill waste.

EATON LOG BARKER

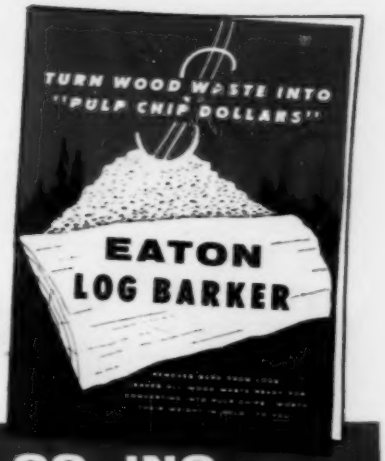


PATENTS PENDING

You, too, can turn wood waste into profitable pulp chips!

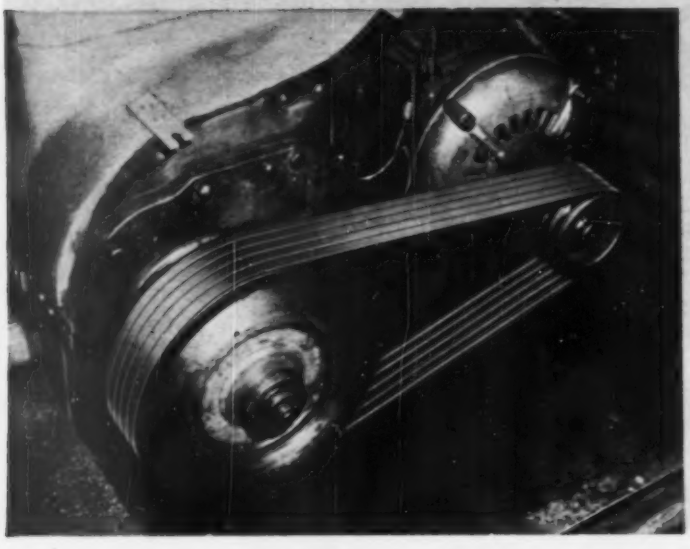
Convert wood waste into pulp chips and other bark-free products with the Eaton log barker, a heavy duty machine you can now afford to own and operate! Low in installation, maintenance and operator cost. A one man operated barker. Designed for the average sawmill operator. Handles logs from 5" up to 4' diameter. Chain-flail type head. Discharges bark-free logs automatically.

Call, wire or write today for further details and your copy of this illustrated folder.



WHITE RIVER MACHINE CO. INC.
ROCHESTER, VERMONT

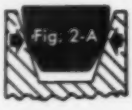
CONCAVE SIDES make V-belts last longer



***See for yourself* why the concave sides (Fig. 1) of a Gates V-Belt greatly lengthen its life. Just do this:**

Bend a Gates belt and feel the sides. Note how these precisely engineered concave sides *fill out* on the bend and *become straight*. Thus a Gates belt grips the sheave groove evenly (Fig. 1-A) and wear is distributed uniformly across each side of the belt. That means longer belt life; lower costs.

Make the same test with a straight-sided belt (Fig. 2) and see what happens. The sides bulge out on the bend (Fig. 2-A) concentrating the wear at points shown by arrows.



For longer belt life...lower belt costs, specify the V-belt with Concave sides—Gates Vulco Rope...readily available from nearby distributor stocks.

World's Largest Maker of V-Belts

The Gates Rubber Company

DENVER, COLORADO

There are Gates Engineering Offices and Distributor Stocks in all industrial centers of the United States and in 70 other countries throughout the world.

Gates VULCO ROPE Drives

Industry Meetings

January

Southern Pulpwood Conservation Association, Dinkler Plaza Hotel, Atlanta, Ga., Jan. 14-16.

B. C. Truck Loggers Association, Jan. 15-17, Hotel Vancouver, Vancouver, B. C.

Forest Products Research Society, Northwest Section, Jan. 20-21, Corvallis, Ore.

American Institute of Timber Construction, San Marcos Hotel, Chandler, Ariz., Jan. 20-24.

Appalachian Hardwood Manufacturers, Netherland-Hilton Hotel, Cincinnati, Ohio, Jan. 22-24.

Northwest Hardwood Association, Quarterly meeting, Portland, Ore., Jan. 25.

February

National Wooden Pallet Manufacturers Association, Feb. 2, Hollywood Beach Hotel, Hollywood, Fla.

Governors Industrial Safety Conference, 8th annual, Fairmont Hotel, San Francisco, Calif., Feb. 6-7.

Sierra-Cascade Logging Conference, Fairgrounds, Anderson, Calif., Feb. 13-15.

Ottawa Forest Products Laboratory, annual seasoning course, Feb. 17-21, Ottawa, Canada.

National Wooden Box Association, San Francisco, Calif., Feb. 19-20.

Farmhoppers Day, School of Forestry, Oregon State College, Corvallis, Ore., Feb. 22.

Willamette Valley Logging Conference, Eugene, Ore., Feb. 27-March 1.

March

Southern Oregon - Northern California Lumber Seasoning Course, March 8, Winema Hotel, Klamath Falls, Ore.

Intermountain Logging Conference, March 24-26, Davenport Hotel, Spokane, Wash.

Southern Forestry Conference, Forest Farmers Association, Monroe, La., March 27-28.

National Association of Commission Salesmen, March 27-29, Sheridan-Cadillac Hotel, Detroit, Mich.

April

American Wood-Preservers Association, April 14-16, Hotel Statler, Los Angeles, Calif.

Northwest Wood Products Clinic, April 15-16, Davenport Hotel, Spokane, Wash. (Will include annual meeting of the Inland Empire section, Forest Products Research Society.)

Northeastern Loggers Congress, 4th annual Mark Twain Hotel, Elmira, N. Y., April 20-23.

May

Olympic Logging Conference, May 1-2, Empress Hotel, Victoria, B. C.

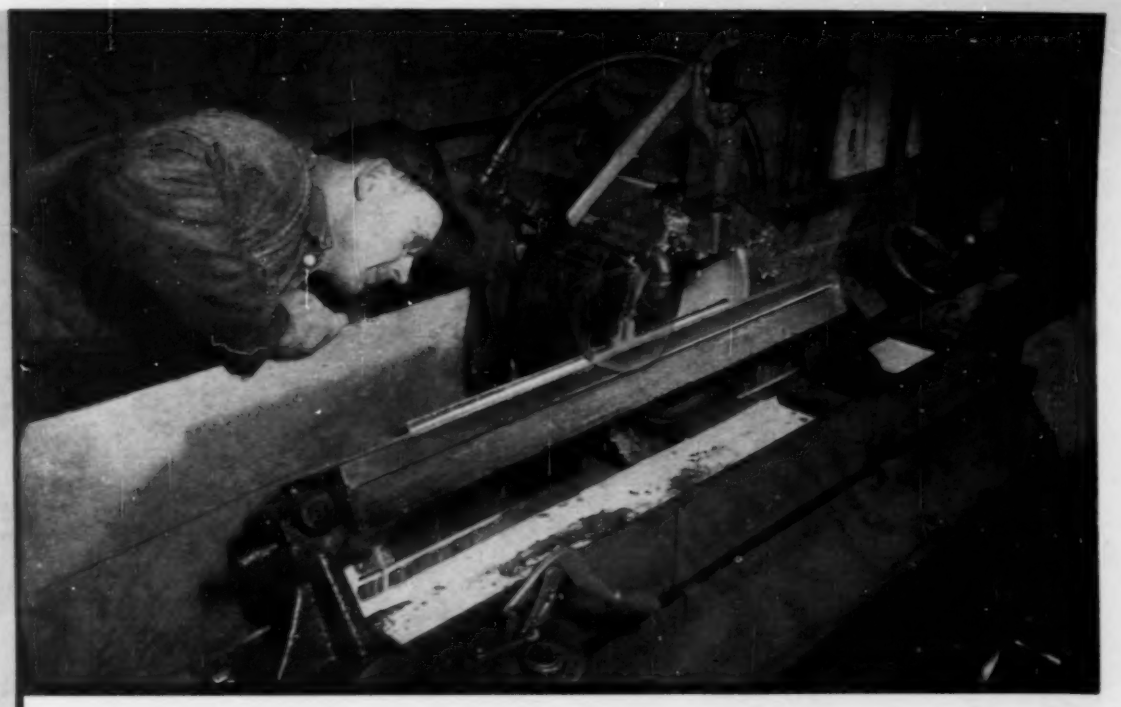
Redwood Region Logging Conference, Ukiah, Calif., May 23-24.

NOTICE TO SUBSCRIBERS

Beginning with the January 1958 issue, THE LUMBERMAN will be published on a regular monthly cycle, instead of the every-4-week basis that has been followed during 1957.

THE LUMBERMAN will be issued on the 20th of the preceding month date of each issue.

The 13th edition of THE LUMBERMAN will be published in December as the ANNUAL PLYWOOD REVIEW. The regular May issue will feature the ANNUAL BOARD REVIEW.



Knives stay sharp longer when they're sharpened cooler

32 ALUNDUM* G BOND wheels add the "TOUCH of GOLD" that protects high speed steels

Two famous Norton developments — 32 ALUNDUM abrasive and the vitrified G Bond — give you the most efficient abrasive-and-bond team you can use for sharpening high speed steels.

Wheels made of this combination cut much faster, freer and cooler, with fewer dressings and longer wheel life.

Knives, saws and cutterheads sharpened with it get top protection from heat damage, perform better and stay sharp longer.

Mills using it keep production equipment at peak efficiency and sharpening costs at lowest.

. . . and for your carbide sharpening

Norton's long leadership in diamond wheel development and manufacture is your safest buying guide. Norton diamond wheels are available in the correct bonds, sizes, shapes and hardness grades for best results in every carbide sharpening application, wet or dry.

See your Norton Distributor for aid in selecting wheels that will add the profit-boosting "Touch of Gold" to your sharpening operations. Ask him for Catalog No. 1052, or write to the nearest district office of NORTON COMPANY, Worcester 6, Mass. Distributors in all industrial areas, listed under "Grinding Wheels" in your phone book, yellow pages. Behr-Manning Company, Troy, N. Y., division of Norton Company. *Export:* Norton Behr-Manning Overseas Incorporated, Worcester 6, Massachusetts.

W-1727

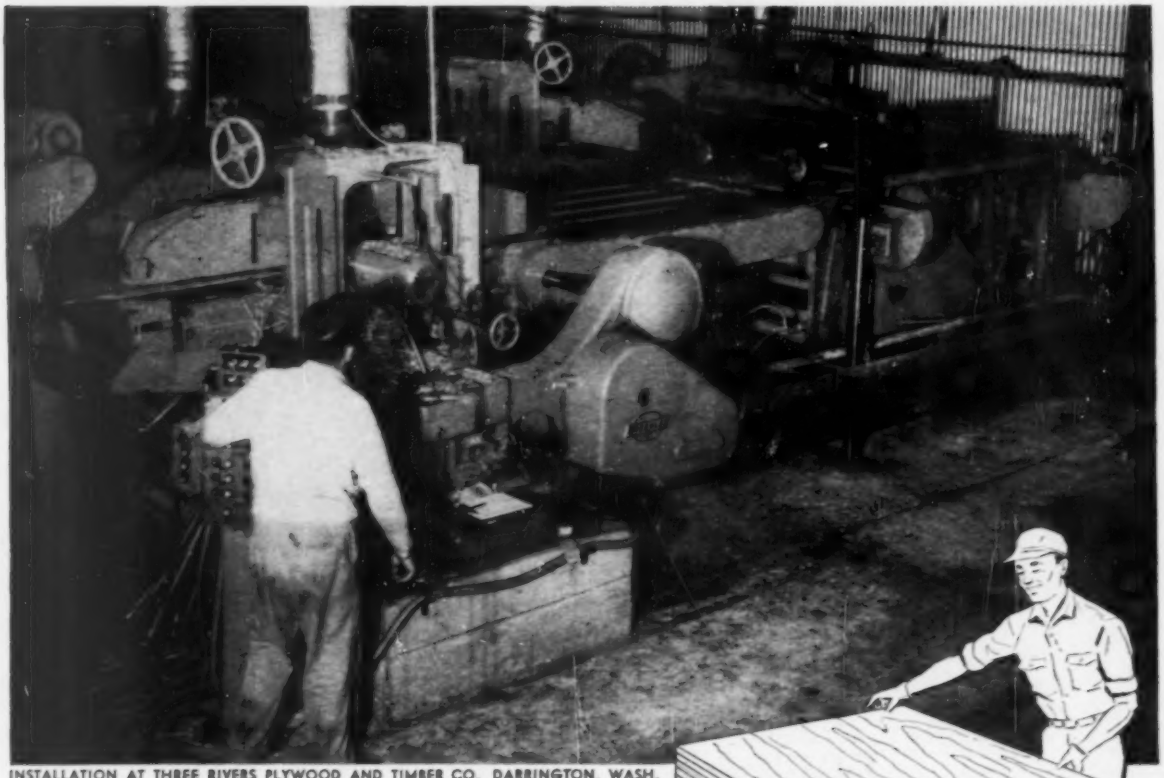
NORTON

ABRASIVES

Making better products... to make your products better

NORTON PRODUCTS: Abrasives • Grinding Wheels
Grinding Machines • Refractories
BEHR-MANNING PRODUCTS: Coated Abrasives
Sharpening Stones • Behr-cal Tapes

*Trade-Mark Reg. U. S. Pat. Off. and Foreign Countries



INSTALLATION AT THREE RIVERS PLYWOOD AND TIMBER CO. DARRINGTON, WASH.

GREENLEE

PRECISION

Pays Off with Higher Quality

Greenlee No. 545 Skinner Saw and No. 545 Cut-Off Saw with Automatic Transfer

Greenlee No. 545 Skinner and Cut-Off Saws have a well-known ability to cut panels that are perfectly square with smooth, true edges. Quality production that gives you a better product . . . a better price . . . more satisfied customers. Such outstanding performance has won the respect of management in plant after plant. In addition to sizing, Greenlee machines can be arranged for specialty work . . . splitting . . . scarfing . . . multiple grooving. It is time now to call in your Greenlee representative and get all the facts. Write today.

Put a Profit in Your Woodworking With Greenlee Machines

WOODWORKING MACHINERY MANUFACTURERS' ASSOCIATION WMMA

GREENLEE BROS. & CO.

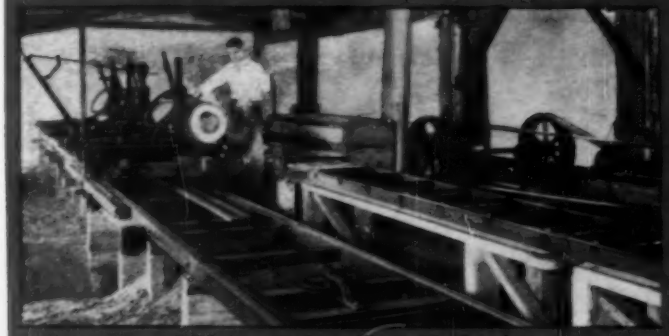
1872 TWENTY-FIRST AVE.
ROCKFORD, ILL.

TRADE FRICK MARK

Sawmills Preferred in Culpeper

Frick No. 1 Mill, Moore Wardlaw Lumber Co.

Frick No. 48 Mill Thomas, Kinsale Pine Lumber Co.



Frick No. 51 Sawmill, C. W. Thornhill

Frick No. 1 Sawmill with Top Rig, Wardlaw Lumber Co.

Five major sawmills in and around this Virginia town use Frick Sawmills

Here's why . . .

Frick sawmills mean higher profits and increased production. Mill operators know that they can cut more accurate lumber, easy in and easy out, with a Frick mill. They know that down-time will be kept to a minimum while production reaches a maximum. Parts are available from nearby Frick Branches and Dealers.

Call or see your nearest Frick man for information on BOSS & HANGER DOGS . . . NEW SAW GUIDES . . . OVERHEAD SAWDUST DRAGS, and other improved features of Frick mills.

Write for the new Frick SAWMILL CATALOG No. 75

FARM & SAWMILL MACHINERY SINCE 1853

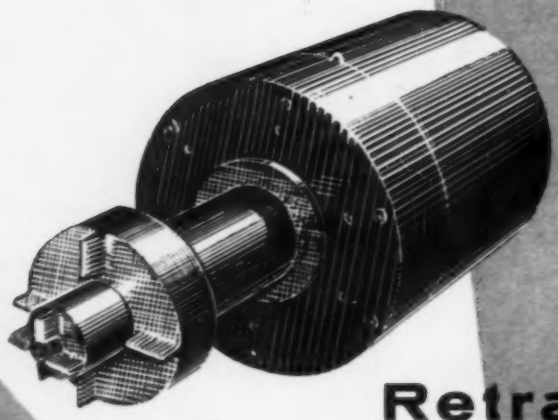
FRICK CO.

WAYNESBORO, PENNSYLVANIA, U.S.A.

Frick Self Steering Swing Cutoff Saw

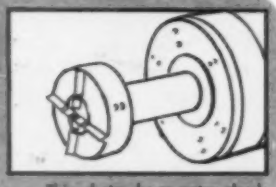
another First from

Jackson

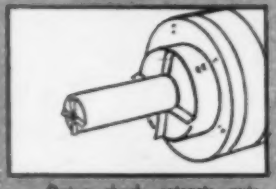


Retractable Chucking

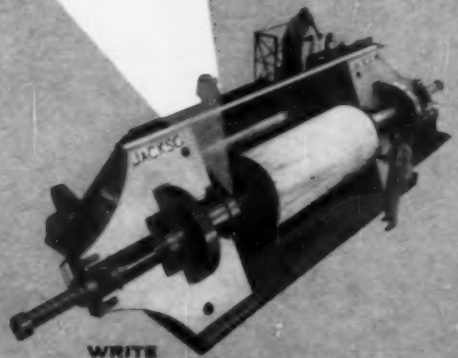
Fully automatic retractable chucking now available on the entire Jackson lathe series means higher yield . . . increased production . . . minimum waste . . . higher profits. Jackson Models equipped with retractable chucking and back-up roll allow for maximum accuracy of peeling. Retractable chucking is available also on the Jackson Series PW Lathes. Available in all knife lengths, up to 135".



This photo shows outer chuck fully extended to hold the block at start of cutting.



Outer chuck retracts automatically as diameter of block is reduced.



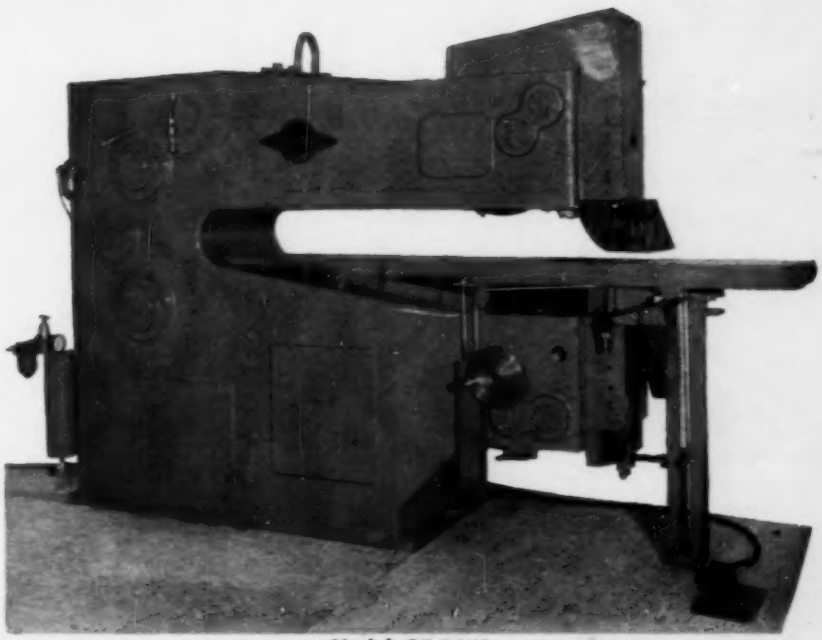
VENEER MACHINES DIVISION

JACKSON INDUSTRIES INCORPORATED

Birmingham, Alabama

WRITE OR WIRE FOR COMPLETE INFORMATION ON ALL JACKSON LATHES.

Make A Perfect PATCH with a SKOOG VENEER PATCHER



Model OB-24-M

SKOOG . . .

The Most Advanced Veneer Patcher Made . .

Some Exclusive Features:

- ***1. Automatic Die Cleaning**
- ***2. Pre-ground dies to insure tight patches through life of die**
- **3. Oil bath lubrication of cam & clutch assembly**
- **4. Trouble-free patented Skoog Clutch**
- **5: Patch Blank Magazine Feed**
- **6. Double "V" Precision Ground Guides**
- **7. Manufactured in U. S. A.**

* Patent Applied For

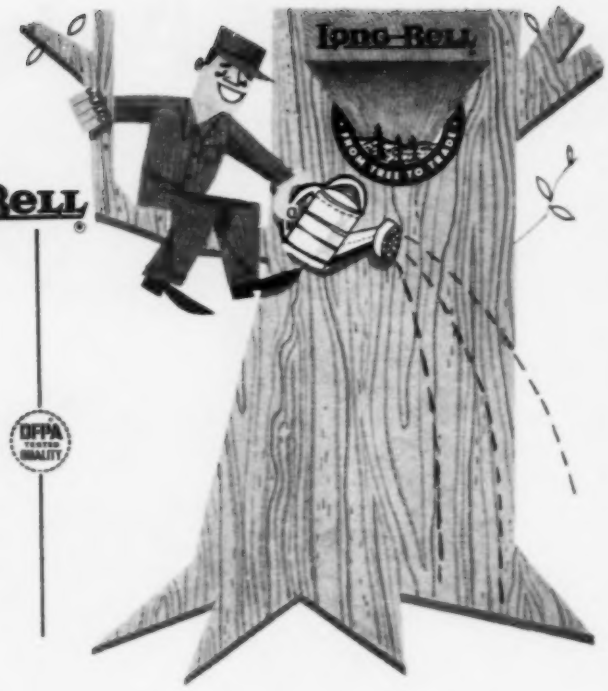
Type OB for face and back available in various die shapes

Type R-4 for large defects 3⅞" round die

Manufactured and sold by

SKOOG MANUFACTURING CO., Inc.
P. O. Box 102
OLYMPIA, WASHINGTON

Another year of continued growth and development in PLYWOOD . . . Long-Bell



Today we offer...

NEW PLYWOOD PRODUCTS AT LONG-BELL'S FOUR WEST COAST PLANTS . . . PRODUCTS DEVELOPED THROUGH RESEARCH AND PRODUCED BY LATEST MANUFACTURING METHODS BY SKILLED CRAFTSMEN FOR SUPERIOR QUALITY AND SERVICE.

From 26 Modern Plants — Long-Bell Division Supplies These Quality Wood Products:

LUMBER:
West Coast Fir, Hemlock and Cedar, Ponderosa Pine, California Douglas and White Fir, Southern Pine and Hardwoods.

OAK FLOORING

FLAKEWOOD ®

VEN-O-WOOD ®

MILLWORK & FACTORY PRODUCTS:
Douglas Fir and Ponderosa Pine Window and Door Frames, Window Units, Sash & Doors, Glazed Sash, Industrial Cut Stock, Ponderosa Pine Box Shook, Worthwood® End Grain Flooring.

PRESERVATIVE TREATED PRODUCTS:
Lumber, Plywood, Posts, Poles and Piling pressure treated with Creosote, Pentachlorophenol ("Penta") and Wolman® Salts.

KITCHEN CABINETS:
Rift Grain Fir and Birch Fronts.

PLYWOOD:
Fir, Knotty Idaho White Pine and Ponderosa Pine, Birch and Philippine Mahogany Plywood, Marine, Plyron, Fir Texture One-Eleven.

PREFABRICATED TRUSSES AND FRAMING

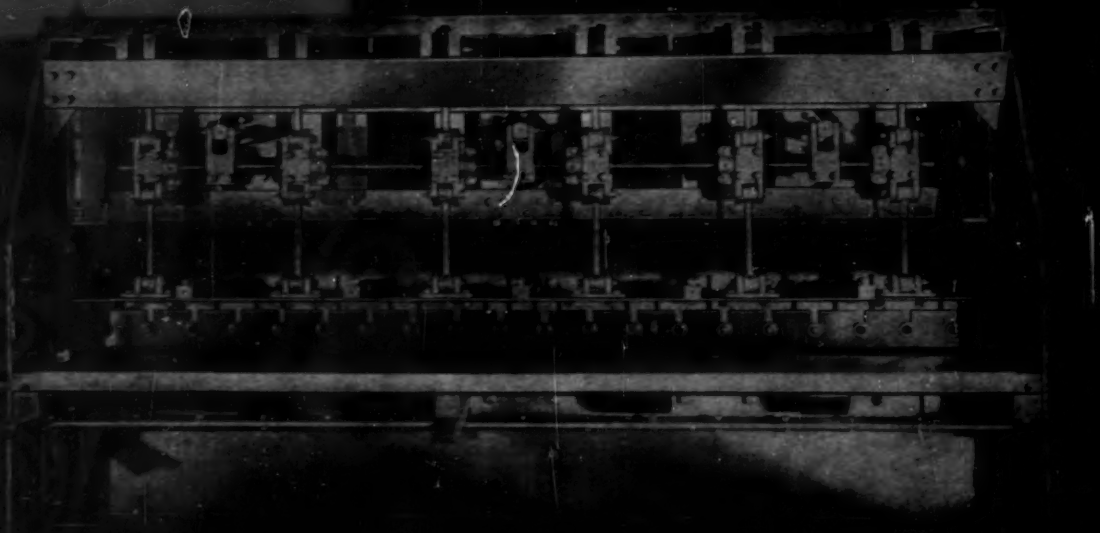
INTERNATIONAL PAPER COMPANY

Long-Bell DIVISION

KANSAS CITY, MO. LONGVIEW, WASH.

GREATER VENEER RECOVERY

Achieved with the
ELLIOTT BAY SEMI-AUTOMATIC CLIPPER



FOR ALL VENEER OPERATIONS

Greater efficiency in veneer cutting is introduced by the Elliott Bay Semi-Automatic Clipper, proved by years of successful operation in many Douglas fir, pine and hardwood plywood factories.

Plant space is conserved as long storage trays are unnecessary; the Elliott Bay Clipper can be short-coupled to the lathe, with which it is synchronized at lathe speed.

Tearing of veneer is eliminated, thus saving raw material; the clean-cutting clipper knife operates against a long-lasting copper shear bar.

Push button controls afford accurate selectivity of veneer of varying widths. The advanced and tested Elliott Bay Clipper is of all-steel, precision construction. Ease of installation and minimum upkeep demonstrated repeatedly.

SAVES SPACE
FAST-ACTING
ACCURATE

ELLIOTT BAY PLYWOOD MACHINES COMPANY

600 West Spokane Street, Seattle 4, Washington

Sales Representative: WIENKER MACHINERY CO., Maritime Building, Seattle 4, Washington

Efficient speed reduction in limited space

SEVEN SIZES—½ to 50 HP—420 to 5 rpm—single and two double reduction ratios. Output torque ratings up to 31,500 lb-in.

FALK ALL-STEEL Shaft Mounted Drives

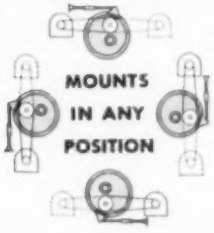
Wherever you require a highly efficient, economical speed reducing unit to fit into a limited space, the FALK All-Steel Shaft Mounted Drive meets your needs perfectly. This rugged, compact reducer mounts directly on the driven shaft and is driven through V-belt or chain drive from any convenient rotating power source.

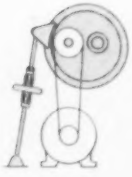
It's hard to match the versatility of a Falk Shaft Mounted Drive. You can choose a single or double reduction unit and use it with any of the many possible sheave or sprocket ratios to obtain almost any specified speed between 420 and 5 rpm. Equally important, the standard Falk Shaft Mounted Drive is available for horizontal and vertical application. Delivery is immediate, installation is quick and easy.

These units are completely FALK-designed and FALK-built for a long life of dependable, trouble-free service. *Precision-cut helical gears of highest efficiency* are employed for efficient, quiet operation.

Always available promptly from factory and distributor stocks, from *coast to coast*. For details, ask your Falk Representative or Distributor—or write for **Bulletin 7100.**

A FEW OF THE MANY APPLICATION FEATURES





VARIABLE SPEEDS through use of variable-pitch sheaves—automatic belt adjustment with tie-rod adjustment

OVERLOAD RELEASE that will slacken belts and cut off power if overload occurs

THE FALK CORPORATION, 3001 W. CANAL ST., MILWAUKEE 1, WIS.

Representatives and Distributors in Most Principal Cities

Manufacturers of

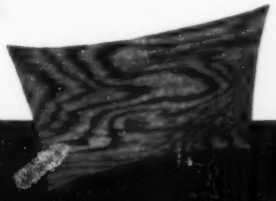
- Motoreducers
- Speed Reducers
- Flexible Couplings
- Shaft Mounted Drives
- High Speed Drives
- Special Gear Drives
- Single Helical Gears
- Herringbone Gears
- Marine Drives
- Steel Castings
- Weldments
- Contract Machining

FALK

...a good name in industry

CreZon

the permanent protective overlay that sells more plywood



We are proud to supply these leading plywood companies with CreZon Medium Density Overlay

DIAMOND LUMBER COMPANY
PORTLAND, OREGON

GEORGIA-PACIFIC CORPORATION
PORTLAND 4, OREGON

ROSEBURG LUMBER COMPANY
ROSEBURG, OREGON

ST. PAUL AND TACOMA LUMBER COMPANY
TACOMA, WASHINGTON

SIMPSON LOGGING COMPANY
PORTLAND, OREGON

UNITED STATES PLYWOOD CORP.
NEW YORK 36, NEW YORK

WASHINGTON PLYWOOD COMPANY
EVERETT, WASHINGTON

AVAILABLE IN CANADA THROUGH

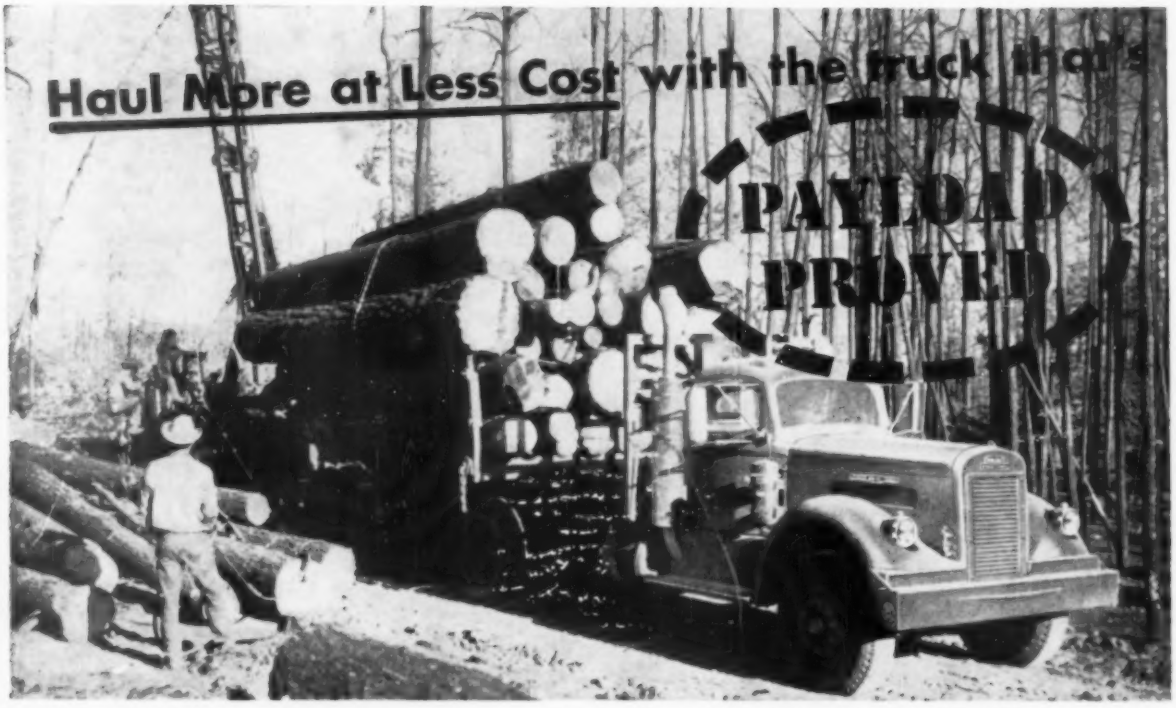
CANADIAN WESTERN LUMBER CO.
NEW WESTMINSTER, B. C.

MACMILLAN & BLOEDEL, LTD.
VANCOUVER 1, B. C.

WESTERN PLYWOOD CO., LTD.
VANCOUVER 15, B. C.

CROWN ZELLERBACH CORPORATION

343 SANSOME STREET, SAN FRANCISCO 19, CALIFORNIA



WHITE *light-weight* DIESELS

(the best timber truck investment you can make)

Yes, you haul more at less cost with White Diesels! The light-weight characteristics of this entire truck—engine, rear axle, power train and high-tensile steel frame—enable you to pile on more payload per truckload.

And White Diesels are as rugged as they are light in weight. White goes *anywhere*... and isolated timber tracts, once considered marginal, are now being worked profitably with White Diesels. Learn how you, too, can profit more from your hauling operation. Call your local White man for all the facts today!

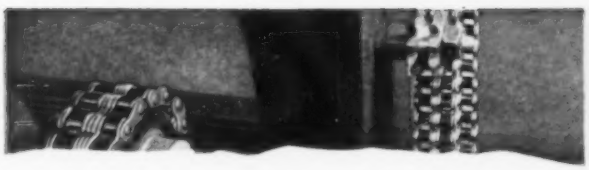
THE WHITE MOTOR COMPANY
CLEVELAND 1, OHIO
Factory Branches, Distributors and Dealers Everywhere

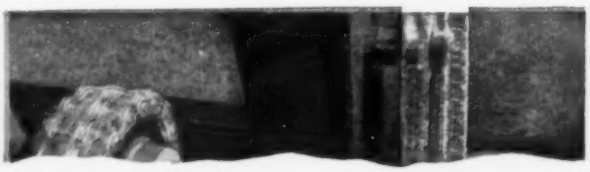
WHITE 3000

(for low-cost urban delivery)

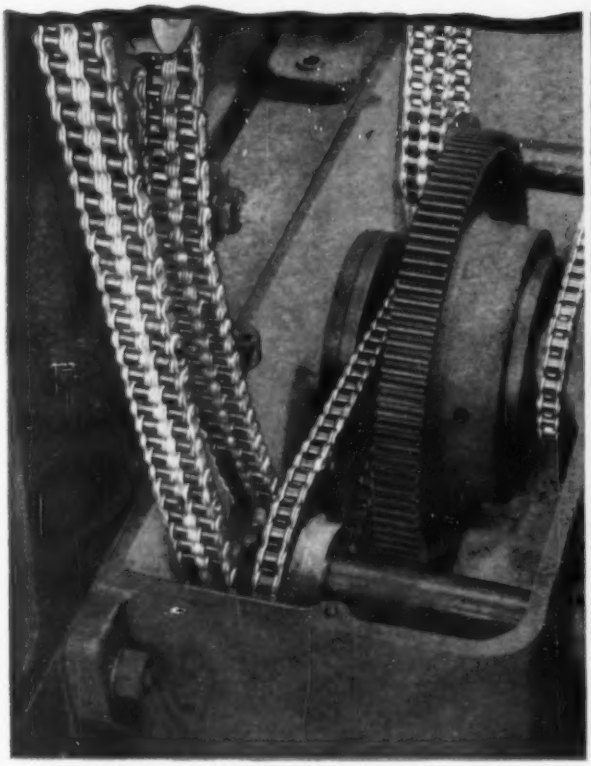
All the way to the ultimate consumer, White offers cost savings. With a gasoline-powered Mustang Engine, the White 3000—so popular with lumber haulers throughout the West—gives you a payload bonus impossible in ordinary motor trucks. You're always money ahead when you *go WHITE!*

FOR MORE THAN 55 YEARS THE GREATEST NAME IN TRUCKS

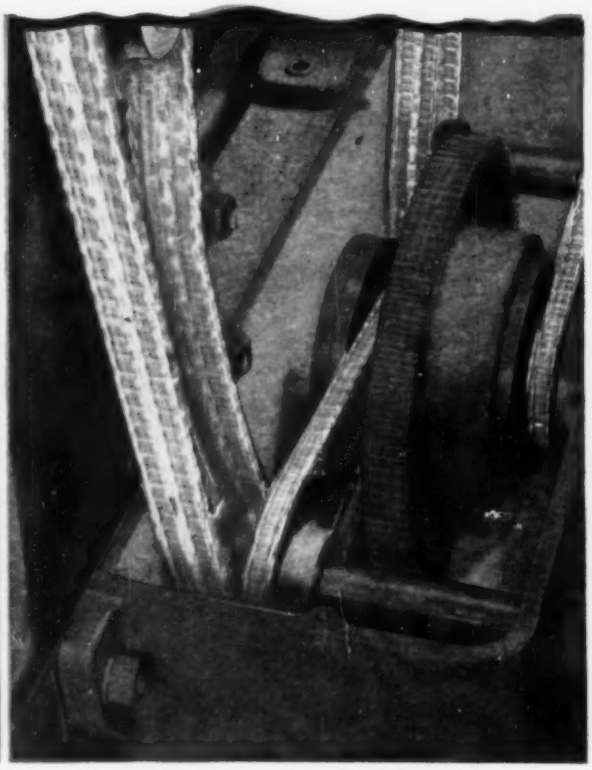




To static strength . . . add *dynamic strength*



RESISTANCE TO TENSILE STRESS is achieved with properly heat-treated, accurately machined side bars made of premium steel and fitted with properly hardened pins, bushings, rollers.



STRENGTH OF CHAIN IN MOTION results from such refinements as pitch-hole preparation, micro-finish of parts, special processing of side bars, pre-lubrication, rigid quality control.

Why LINK-BELT roller chain takes stresses in stride

ON *tough-service* drives and conveyors, Link-Belt precision steel roller chain consistently delivers longer life. That's because its *greater dynamic strength* withstands the starting shock and centrifugal loads of severe operation.

Reports from users prove the effectiveness of Link-Belt's manufacturing extras that add to greater dynamic strength. Shot-peened rollers give greater fatigue life and ability to withstand impact . . . lock-type bushings end a common cause of chain stiffness . . . pre-stressing provides uniform load distribution . . . closer heat-treat control insures uniformity.

For facts, see your nearby Link-Belt office or authorized stock-carrying distributor. 14,643—P

LINK-BELT

ROLLER CHAIN AND SPROCKETS

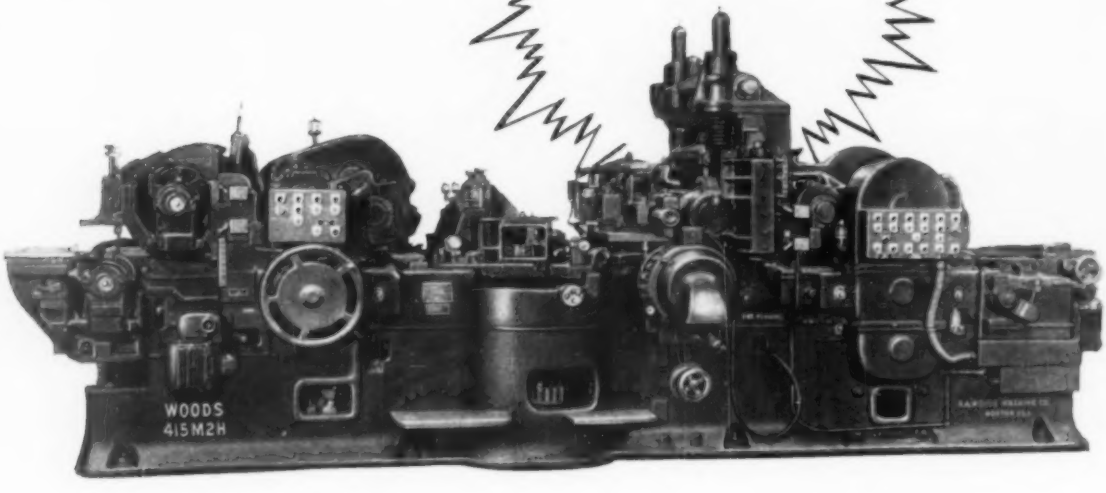
LINK-BELT COMPANY: Plants, Sales Offices and Factory Branch Stores at San Francisco 24, Los Angeles 33, Seattle 4. Sales Offices and Factory Branch Stores at Portland 10, Spokane 10, Salt Lake City 1. Stock Carrying Distributors in Principal Areas

Serving the Industry Since 1852

Another FIRST by WOODS

Woods Automatic Hydraulic Motorized Top Head Control

NEW!



THE Woods 415 M2H Motorized Planer and Matcher with a **New Method** for maintaining the precision milling of lumber stock to close tolerances. The New Hydraulic Motorized Top Head Control will hold the variation of thickness in lumber being planed to three thousandths of an inch. When the control switch is set for "Automatic Control", a deviation of three thousandths of an inch sets the Automatic Hydraulic Motorized unit into action to make the proper adjustment of top cutterhead and yoke to re-establish the original dimension. This new control can be furnished only with the Woods 415 M2H Motorized Planer and Matcher.

S. A. WOODS MACHINE CO.
27 DAMRELL STREET
BOSTON 27, MASS.

NOW AVAILABLE!

QUALITY

Snellstrom

GOLD LABEL

A PRODUCT OF SNELLSTROM LUMBER CO.

PLYWOOD

PRODUCERS OF DFPA TESTED QUALITY FIR PLYWOOD

WEST COAST TIMBERMEN'S ASSOCIATION

NOW AVAILABLE... A QUALITY PLYWOOD THAT FAR SURPASSES MINIMUM GLUE LINE REQUIREMENTS SET UP BY GRADE ASSOCIATIONS

- 100% EXTERIOR GLUE LINE
- 100% HOT PRESSED
- DIVERSITY OF PRODUCTS
- MIXED CAR SHIPMENTS OF PLYWOOD and LUMBER
- LOOK FOR SNELLSTROM'S "GOLD LABEL OF QUALITY"

Snellstrom Lumber Co. believes that a large percentage of *you* buyers prefer a premium product. Therefore, all Snellstrom Gold Label products are manufactured with exterior glue which gives complete versatility under all moisture and humidity conditions.

DEMAND Snellstrom Gold Label Plywood . . . *your assurance of quality*.

Snellstrom

PLYWOOD-LUMBER

P. O. BOX 449

EUGENE, OREGON

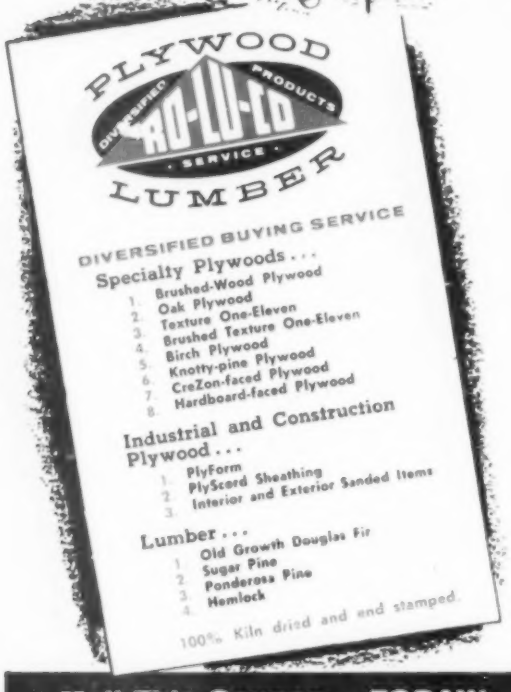
PHONE: Diamond 4-1455

TELETYPE: EG-044

SNELLSTROM LUMBER CO.

DEALERS: — *SPECIFY* CONSTRUCTION PROVED ROSEBURG *BRAND* LUMBER and PLYWOOD

for GREATER SALES! FASTER TURNOVER! INCREASED PROFITS!



SELL *MORE* . . . because you have greater diversification of products, greater versatility in ordering, when you buy from ROSEBURG LUMBER CO.

One Source from which to order *Specialty Plywoods, Commercial* and *Industrial Plywoods* . . .
Plus: a GREAT SELECTION of *Fir and Pine* lumber.

MORE *SELL* . . . because throughout the country, ROSEBURG LUMBER CO. PRODUCTS are *proven* through years of *construction use* . . . and *backed up* by ROSEBURG'S *nation wide* advertising program.

INVENTORY CONTROL . . . . which saves money by tying up less of your capital. All you do, is order ROSEBURG'S straight or mixed car shipments. This means *less cost* and *increased profits.*

FAST SERVICE and DEPENDABILITY . . . because your orders are made up from the many different warehouses in the same manufacturing site and put together on one loading dock. This means that *your orders* are *all personalized* for *content, grade, and quality.*

QUALITY CONTROLLED . . . . because ROSEBURG LUMBER CO. maintains its own *Quality Control Department* which *never varies*—hour by hour!—and all orders are double checked by the quality control departments of DFPA, Western Pine Association and the West Coast Lumber Inspection Bureau.

DFPA TESTED QUALITY

Mail This Coupon . . . TODAY!

ROSEBURG LUMBER CO.
Roseburg, Oregon Dept. L-12-7

- ☐ Please send us the name of the nearest ROSEBURG lumber and/or plywood wholesaler or jobber.
- ☐ Please send us the ROSEBURG WOODSMAN

Firm .....

By .....

Street .....

City ..... State .....

CONTACT YOUR ROSEBURG JOBBER OR WHOLESALER TODAY!

ROSEBURG LUMBER CO.

P. O. Box 1091 ● ROSEBURG, OREGON

SAVE $2000 A MONTH

with the Fischer CROSS FEED Veneer Splicer

The Fischer CROSS FEED Veneer Splicer can:

▶ Produce as Much as Four Conventional Splicers

- Even with five fewer operators and much less expensive floor space, you can get 250 feet of glue lines per minute

▶ Cut Waste Up to 10%

- Three-inch-wide strips can be spliced **efficiently**
- Width clipping is automatic, and there is **no trim loss**

▶ Up-Grade Stock

- Veneer is much flatter because of uniform heating of **glue lines and stock**
- **Less splitting** because of less handling and exclusive **"Walking Shoes"** feed

▶ Increase Dryer Production

- You can splice wetter veneers because curing dries stock uniformly

▶ Splice Face and Core Stock

- Use stock down to 1/32" thickness
- Three-width machines—70", 90", 106"

It will pay you to learn right now how this Fischer **Cross Feed** Veneer Splicer can help you increase production, lower costs, and save up to $2000 a month.

Write, Wire or Phone

WILCO Machine Works

WILCO MACHINE WORKS, INC.

MUNICIPAL AIRPORT • MEMPHIS, TENN.

P. O. BOX 3722 • WHITEHALL 8-4555

"Semi-Dry" PROCESS
MAKES THE DIFFERENCE

ARMORBORD

LOW COST HARDBOARD

When we built our hardboard plant we chose the recently developed "Semi-Dry" process of manufacturing because we believe by this method we create a stronger, more flexible, more uniform and stable hardboard.

The "Semi-Dry" process, developed by the Plywood Research Foundation, creates thousands of microscopic "trusses" by permanently interlocking wood fibers. Manufactured by this method, ARMORBORD is a tough, versatile material, surpassing in competitive tests many similar hardboard products.

Smooth, Hard and Durable

The surface of ARMORBORD is smooth, hard, and takes stains and paints beautifully. It is light-colored and has a pleasing decorative effect whether painted or not. The surface resists water, solvents, acids.

Great Strength and Impact Resistance

ARMORBORD stands up under the hardest treatment. Its tough surface resists denting, abrasion and scratching. Ideal for use in displays, signs, toys, furniture, built-ins, wall panels, work surfaces and many more industrial and "do-it-yourself" applications.

High Degree of Dimensional Stability and Flexibility

Having absolutely no grain, this material has uniform strength in *all* directions. It will not crack nor split, and it can be bent into simple or compound curves.

Mixed Car Shipments with other diversified ARMOR products

Here's economy and convenience for you. From one dependable source, you can now order a wide variety of high-quality panel products in mixed car shipments. Below is a list of other dependable ARMOR products:

- **ARMORBOND**
  Interior and Exterior plywood, all standard sizes and thicknesses . . . all standard DFPA grades.
- **ARMORON**
  Resin overlaid fir plywood. Armoron "grey" for concrete forms; "natural" for industrial and construction uses.
- **ARMORBOND BOAT PANELS**
  A selected face, solid and jointed core, premium panel for all marine applications.
- **ARMORBORD-ON-FIR**
  A premium fir plywood panel, overlaid with smooth, durable Armorbord hardboard.
- **ARMORBORD UNDERLAYMENT**
  The perfect base for linoleum, carpeting, and asphalt, rubber and vinyl tiles.

Write for free samples, descriptive literature and prices of ARMORBORD and other ARMOR panel products, or contact the Anacortes sales office nearest you.

ARMOR

ANACORTES VENEER, Inc.

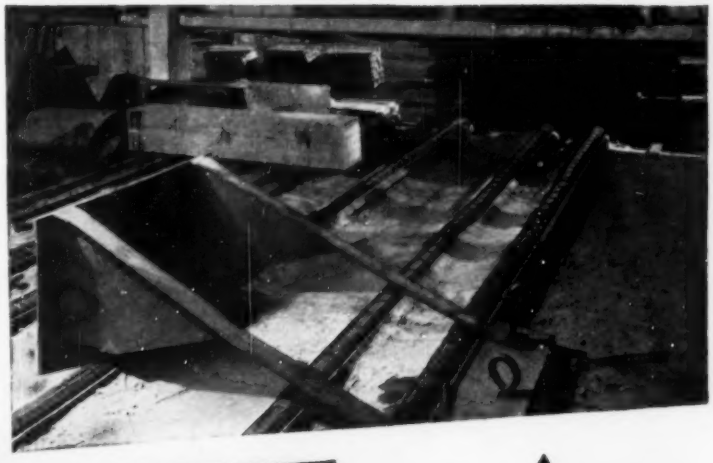
ARMOR

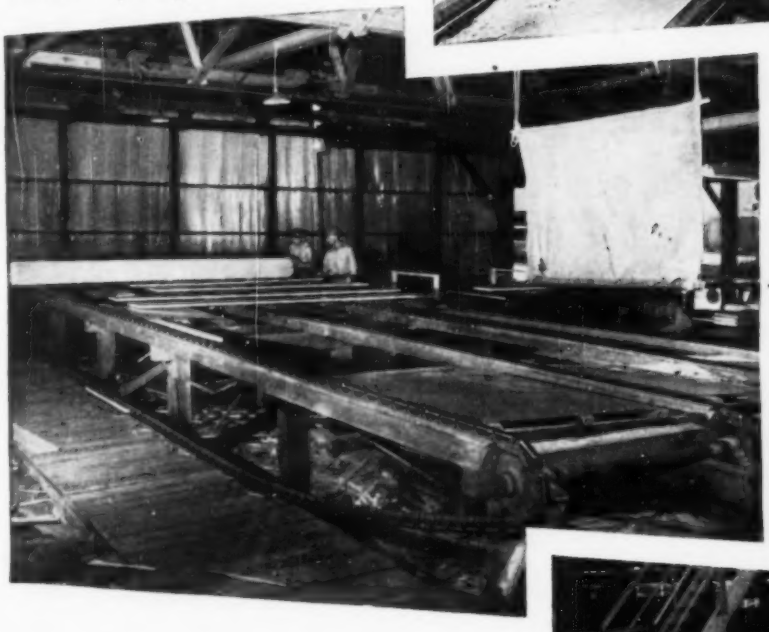
GENERAL SALES OFFICE: ANACORTES, WASHINGTON
MIDWEST SALES OFFICE: 13375 WATERTON PLANK ROAD, ELM GROVE, WISCONSIN
EASTERN SALES OFFICE: 11 NORTH ESSEX STREET, DOVER, NEW JERSEY

JEFFREY Lumber Chains

make cross-handling easier

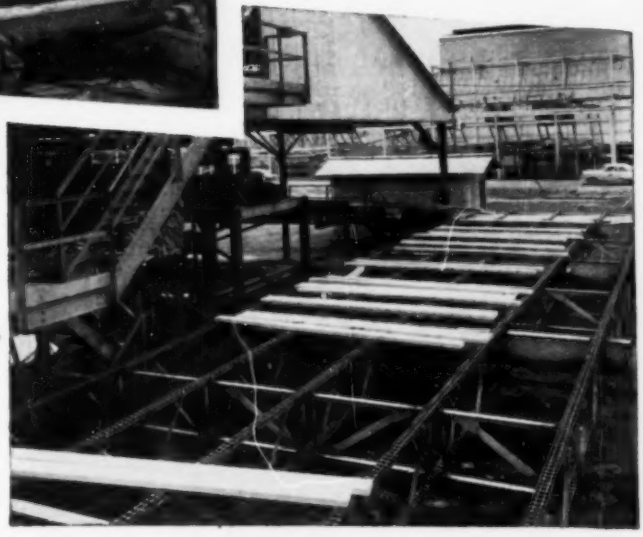
LUMBER moves easily on these special Flat-Top and Roller-Top Jeffrey chains. They find wide use on lumber sorting conveyors and related applications . . . speeding operations and reducing worker fatigue, as well as protecting material quality.





Jeffrey Transfer Chain No. 138 with Flat Top is designed with broad, flat wearing shoes the full length of the link bottoms, providing extra wearing surface. Above: lumber comes in at right angle on another conveyor, slides across Flat-Top Chain, hits backstop and continues journey.

Jeffrey Type RW Combination Chain with Roller-Top has short rolls so roll action is accomplished without pulling off adjacent boards. At left: workers sort lumber on conveyor composed of two Flat-Top Chain inner strands and Roller-Top Chain on two outer strands.



Maintenance men like Jeffrey H Type Mill Chain

Jeffrey H Type Mill Chain is exceptionally durable, designed for speedy operations where shocks are frequent and semi-gritty conditions are encountered. Flared-out side bars form broad wearing shoes, for dragging over runways, giving longer life. At right: lumber coming from mill on belt conveyor in background rides this 5-strand H Type Mill Chain conveyor which terminates in a sorting table.

Jeffre chains and attachments are stocked for your convenience by Jeffrey distributors. Or write to The Jeffrey Manufacturing Company, Columbus 16, Ohio.

JEFFREY

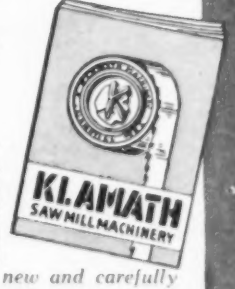
CONVEYING · PROCESSING · MINING EQUIPMENT · TRANSMISSION MACHINERY · CONTRACT MANUFACTURING

Accurate Rugged Dependable

KLAMATH MACHINE
LINE BAR

The KLAMATH MACHINE Line Bar is self-contained, heavy-duty, trouble-free. It is equipped with one fluted and four spiral feed rolls, two power driven press rolls, rack and pinion type set works. If desired, press rolls may be provided with an air cylinder for power opening, so that the Line Bar can be used as an edger to split boards from 1" to 24" in thickness. *More detailed information will be sent promptly on request.*

ASK FOR THIS *NEW* CATALOG



Our Catalog carefully describes and illustrates the Line Bar. The full line of KLAMATH MACHINE Sawmill Machinery is described and illustrated in this *new and carefully prepared* CATALOG. A copy will be sent to responsible sawmill operators on request.

KLAMATH MACHINE & LOCOMOTIVE WORKS INC.

P. O. BOX 208 • KLAMATH FALLS, OREGON, U. S. A.

Look for the Indian Head on all **KLAMATH MACHINE** *products*

Export Division: FRAZAR & HANSEN, Ltd., 301 Clay Street, San Francisco 11, California, U.S.A.

Let's Face It!

"BACK-BREAKING" JOBS ARE HARD TO FILL THESE DAYS

In the past 25 years the number of high school graduates has increased almost 100%, outpacing a population growth of about 35%. This new labor force expects the satisfactions which go with better education, better training and broader knowledge. They desire work that is a challenge to their newly acquired skills and improved abilities.

These workers are more selective in choosing their place of employment. They have a decided tendency to gravitate to plants that are equipped with modern, efficient machines . . . plants where modern equipment has been installed to minimize physical effort and require greater skills.

The progressive companies of W.M.M.A. are offering many modern precision machines designed to produce superior products and attract superior workers. Write for complete details. Send in this coupon today.

WOODWORKING MACHINERY MANUFACTURERS ASS'N.
1900 ARCH ST., PHILADELPHIA, PA.

Please send me further information. I am interested in the following types of machinery _____

Name _____

Company _____

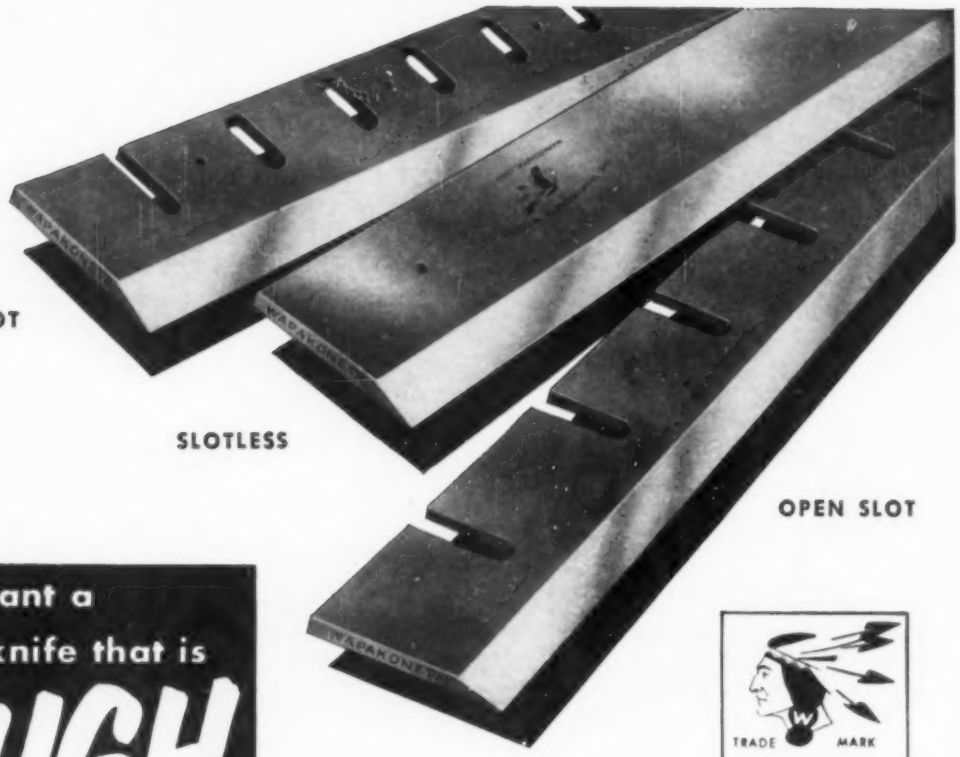
Address _____

City _____ Zone ____ State _____

Put a profit in your woodworking with MODERN MACHINES

WOODWORKING MACHINERY MANUFACTURERS ASSOCIATION

1900 Arch Street, Philadelphia, Pennsylvania



if you want a veneer knife that is

TOUGH

TRADE MARK
SINCE 1891

get a WAPAKONETA and get a cutting edge that stays keen!

SPECIFY WAPAKONETA PLANER KNIVES for working various kinds of woods: BIG CHIEF for general, all-purpose uses; MOHAWK for green Southern pine and other soft woods; SUPER MOHAWK for hard woods, glue joints and other difficult jobs; MULTNOMAH for Western woods.

A WAPAKONETA KNIFE FOR EVERY USE. SHAPER STEEL, high tungsten content with exact 60° bevel, ground with greatest care to a mirror finish. CHIPPER KNIVES cut cleanly with fewer oversize chips and little dust waste. HOG KNIVES of the finest tool steel, tough, shock-resistant, and economical.

A veneer knife must be custom-built to the exact specifications of the job. To hold an extremely keen edge under severe operating conditions, the proper analysis of electric-induction tool steel is welded under high pressure to a soft steel back and precisely tempered. Three important operations combine to produce Wapakoneta Veneer Knives: selection of top-grade tool steels for quality performance, heat treatment for correct hardness; high tensile strength and resistance to abrasion; proper and precision grinding for a true cutting edge.

Years of field testing and laboratory work have gone into the development of the fine steels and modern machining methods which mark a Wapakoneta Veneer knife. Engineered to the individual job, Wapakoneta Veneer Knives are available in open slot, closed slot and slotless types.

Write for complete, free catalog of Wapakoneta Machine Knives

THE WAPAKONETA MACHINE CO.
WAPAKONETA, OHIO

WEST COAST FACTORY BRANCH: 5519 N.E. 30th Ave., Portland 11, Oregon

Knives Engineered for the Job Since 1891

NEW!

Spher-Align

SPHERICAL ROLLER BEARING PILLOW BLOCK

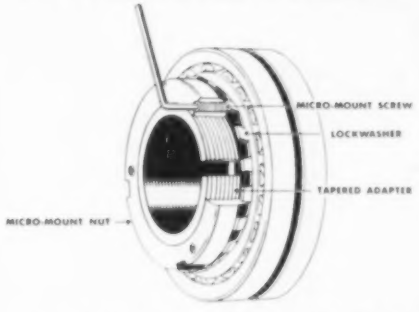
Dodge, the nation's leading supplier of mounted bearings, presents America's newest spherical roller bearing pillow block . . . a rugged bearing in attractive modern design . . . inherently self-aligning . . . easy to install . . . easy to maintain . . . and featuring the unique Micro-Mount.

Its rugged housing of close-grained semisteel withstands shock loads. It has a generous lubrication reservoir—for oil or grease. And standardized dimensions make Spher-Align interchangeable with all other similar units.

Expansion and non-expansion types. Stocked for 2 7/16" to 8" shafts. Call your Dodge Distributor—or write us.

DODGE MANUFACTURING CORPORATION
900 Union Street, Mishawaka, Indiana

Exclusive MICRO-MOUNT



Fast and accurate mounting is made possible by the new Dodge Micro-Mount. The Adapter is snugged up with the Micro-Mount Nut. Mounting is completed by turning the Micro-Mount Screws against the Lockwasher until bearing, adapter and shaft form an integral unit.

DODGE
of Mishawaka, Ind.

CALL THE TRANSMISSIONEER, your local Dodge Distributor. Factory trained by Dodge, he can give you valuable assistance on new methods. Look for his name under "Power Transmission Machinery" in the yellow pages of your classified telephone directory—or write us.

NLMA Appropriates Funds To Push Promotion

Directors of the National Lumber Manufacturers Association voted at the association's annual meeting in Washington, D. C., to appropriate $25,000 to lay the groundwork for a national wood merchandising program. They also voted to increase dues.

The $25,000 provided in connection with a national merchandising program for lumber and wood products will be used to develop a full-scale, detailed plan of action, designed to gain the financial support of NLMA's regional association.

It will include the preparation of sample merchandising-advertising material and a blueprint of how NLMA merchandising would tie in with but not duplicate regional activities.

Action on the merchandising program came after the association merchandising committee had heard representatives of all segments on the industry pledge aid and cooperation. Walter E. Morgan, Columbus, Ohio, spokesman for the National Lumber Council for Marketing, composed of manufacturers, wholesalers and commission salesmen, declared that "national trade promotion of wood is desired by a substantial proportion of

NLMA OFFICERS: Left to right, Walter M. Leuthold, board chairman; N. Floyd McGowin, new president; Robert M. Ingram, first vice-president.

our industry" and by "a large number of allied industries."

Martin T. Wiegand, president of the National American Wholesaler Lumber Association, promised "the all-out support and cooperation of NAWLA."

George W. Mueth, president of the National Association of Commission Lumber Salesmen, offered the cooperation of commission salesmen in "whatever program you devise which will be open to the industry as a whole."

Walter Leuthold, retiring president, said "the lumber industry has only to ride the tide of our expanding national economy in order to cash in on a great potential. One fact is clear—the industry that pinches on its advertising dollars is only short-changing itself.

The dues increase would amount to 1 per cent per 1000 board feet of lumber shipped by regional association, would boost the national association's total dues to 5 cents per 1000. Approval of regional associations is necessary before the increase becomes effective.

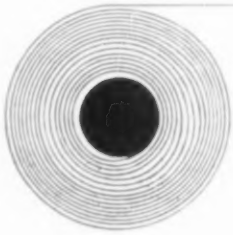
N. Floyd McGowin, president of W. T. Smith Lumber Co., Chapman, Ala., was elected president of the association. Retiring president Leuthold becomes board chairman. Robert M. Ingram, president of the West Coast Lumbermen's Association and the E. C. Miller Cedar Lumber Co., Aberdeen, Wash., becomes first vice-president.

Regional vice-presidents are A. B. Hood, president of Western Pine Association and general manager of Ralph L. Smith Lumber Co., Anderson, Calif.; Edwin R. Thomas, president of the Southern Hardwood Producers, Inc., Memphis, Tenn., and the Thomas & Proetz Lumber Co., St. Louis, Mo.; Q. T. Hardtner, Jr., president of the Southern Pine Association, and the Urania Lumber Co., Urania, La.

PLYWOOD SHEATHING

in straight or mixed cars
sanded panels also available

ALSO: Hi-Hemlock® end matched flooring, V-rustic siding, bevel siding, mouldings, dimension and timbers

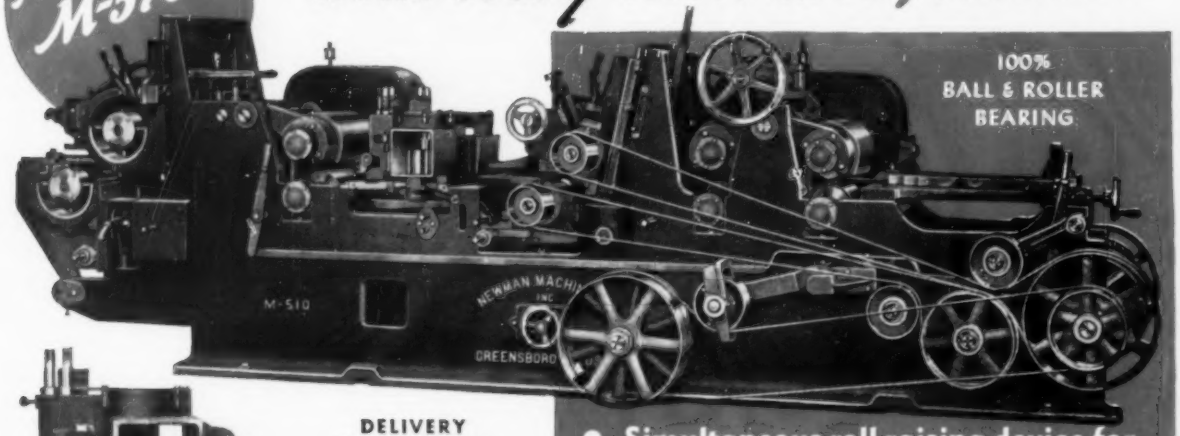


WILLAMETTE VALLEY LUMBER COMPANY
DALLAS, OREGON

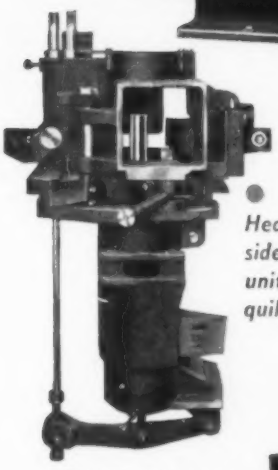
A New 10" Roll PLANER & MATCHER with feeds to 250 feet per minute

Newman M-510

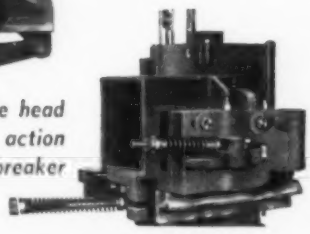
A medium priced machine with every desirable feature



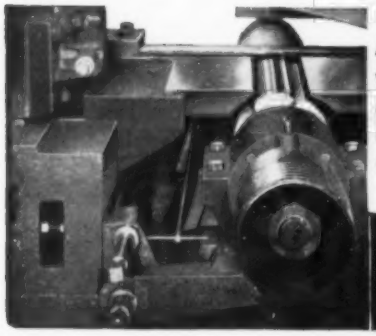
DELIVERY FROM STOCK *IF YOU HURRY*



Heavy duty side head units of long quill design



Left side head double action chipbreaker



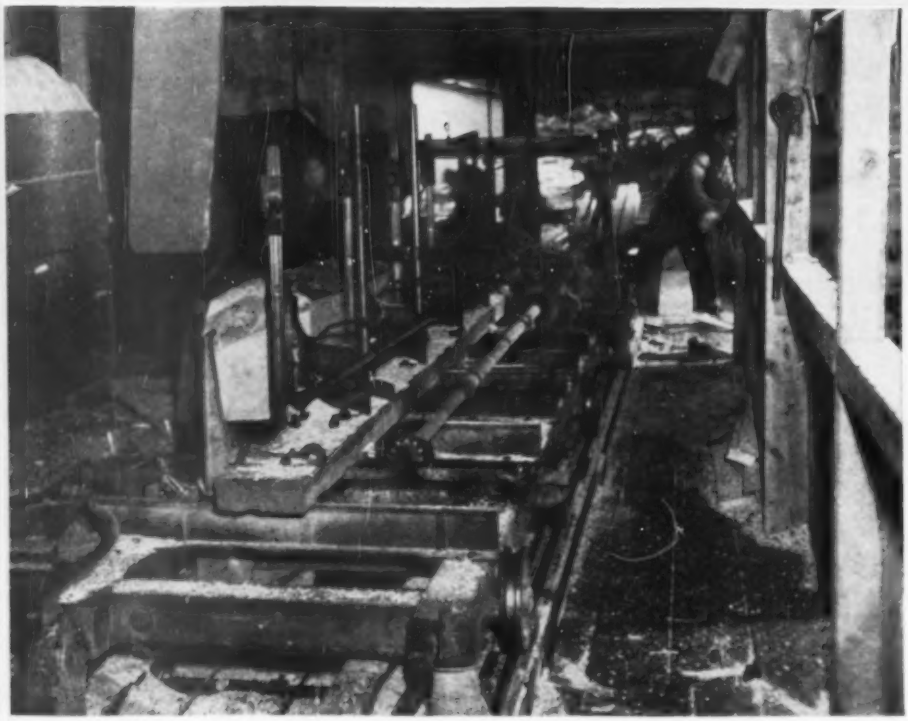
Massive vibration free bed plate after bottom cylinder

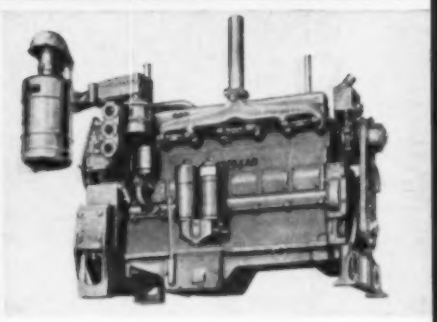
- Simultaneous roll raising device for front bottom feed rolls
- Quick release for pressure bar
- Quick release for left side head
- All Sprockets steel—heat treated
- Flame hardened bottom bed plates and pressure bar
- Feed works reversible
- Wear resistant rigid solid steel long guide
- Chatter proof jointer units
- Roller knife setting gauge available

Newman Machine Co., Inc.

GREENSBORO, NORTH CAROLINA, U. S. A.

"AN OUTSTANDING FEATURE OF THE D318 IS THE TROUBLE-FREE INJECTION SYSTEM. MY CAT EQUIPMENT IS VERY DEPENDABLE, EASY TO MAINTAIN— AND EASY TO START." *MARIO R. CONTIGIANI, BELMONT, N. H.*





The Cat D318 Engine, one of the smaller units in the modern heavy-duty Caterpillar power line, is rated at 137 HP (maximum output capacity).

The CAT* D318 Engine in Mario R. Contigiani's sawmill powers a 48″ saw-edger-clipper, conveyor and blower. It works 8 hours a day, 5 days a week, 12 months a year. Production of pine, hemlock and mixed hardwoods averages 8,500 bd. ft. a day. Mr. Contigiani, summing up the D318's performance, says: "Trouble-free fuel injection system . . . dependable . . . easy to maintain . . . ease of operation . . . no trouble starting."

You can count on all these important characteristics —and *more*—in *every* engine in the modern heavy-duty Caterpillar power line. They pay off in profitable production. For example, exclusive Caterpillar single-orifice fuel injection valves, combined with the pre-combustion chambers, permit the use of a wide range of fuels including low-cost No. 2 furnace oil *without fouling*. Maintenance is minimum. The fuel system requires no adjusting. There are no cylinder ports to clean. And each Cat Engine, with its 4-cycle design, responds quickly to sudden snags with sustained power for smooth cuts!

Certified power for Cat Diesel Engines

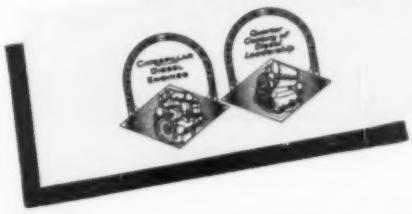
There's no guessing or gambling when you invest in a Caterpillar Engine. Each is honestly rated. The power promised is the power delivered—and it's backed by a certificate signed by Caterpillar and notarized. You get a certificate with every Cat Engine, from the smallest (65 HP maximum output capacity) to the largest (650 HP maximum output capacity).

Your Caterpillar Dealer, a power expert, offers you round-the-clock availability of service and parts you can trust. Take your power problems to him. Let him show you the *certified* power plant that will do the most efficient job for you!

Caterpillar Tractor Co., San Francisco, Cal.; Peoria, Ill., U.S.A.

CATERPILLAR*

*Caterpillar and Cat are Registered Trademarks of Caterpillar Tractor Co.



significant industry news

INTEGRATED SAWMILL, PARTICLE BOARD PLANT . . . Mayo Lumber Co. has announced plans for a $500,000 integrated sawmill, particle board plant near Nanaimo on the east coast of Vancouver Island in British Columbia. Present plans call for production at the sawmill in May. Details on the particle board plant have not been fully developed, but a German extrusion process is being considered.

HARDWOOD PLYWOOD PLANT PLANNED IN OREGON . . . Establishment of a plant to produce hardwood plywood is underway at Sheridan, Ore., under direction of John Tyner former president and general manager of Willamette Fibre & Chipboard, Inc., in Sweet Home, Ore. Equipment is now being assembled for installation in the former McCormick mill. Panels with alder and maple faces and cottonwood and spruce cores are planned from veneer purchased in the area.

BAXTER HEADS CASCADE'S REEDSPORT DIVISION . . . Don G. Baxter, formerly manager of the Reedsport and Roseburg operations of E. K. Wood Lumber Co. in Oregon, will now head the Reedsport division of Cascades Plywood Corp. He will head up the division formed with the purchase of the sawmills and timber of the E. K. Wood Lumber Co. by Cascades Plywood Corp. Cascades had indicated an interest in building a veneer plant at Reedsport.

BURNED OUT MILL TO BE REPLACED . . . The F. S. P. sawmill in western Oregon, destroyed by fire last fall, will be rebuilt at a new location at a cost of $300,000, Charles Storm, partner in the firm, reports. It will be erected adjacent to the Port Orford Plywood Co. mill north of Port Orford, will buy logs from the plywood firm and use its log pond. F. S. P.'s planing mill, which was not destroyed, will be moved to the new location.

CELOTEX NAMES FORESTRY DIVISION MANAGER . . . Lynn Sandberg, in forestry management since 1947, has been named manager of the Celotex Corporation's forestry division. He will headquarter at L'Anse in Michigan's Upper Peninsula and will be in charge of a planned forestry program for the corporation's 242,000 acres of timber and timberland in the area. Celotex has construction underway on a fiberboard plant in the area. Sandberg most recently operated his own timber producing and forestry consultant firm in Duluth, Minn.

NEW SAWMILL IN OREGON . . . U. S. Plywood Corp. will build a sawmill and planer adjacent to its veneer plant near Gold Beach, Ore. A plant employing 50 to 60 persons and designed to be capable of producing 40-foot long timber on the band headrig and 32-foot lumber on the pony side is planned. Construction will be started early in 1958, production is anticipated in July.

EVANS PRODUCTS ACQUIRES FIDDES-MOORE . . . The business and assets of Fiddes-Moore & Co. have been acquired by Evans Products Co. for 83,056 shares of Evans common stock. Fiddes-Moore operates 13 warehouses distributing plywood, hardboard and other wood products in the midwest, West Virginia, Texas, California, North Dakota and Pennsylvania. Fiddes-Moore warehouses will now distribute the complete line of Evans plywood, hardboard and other wood products. They will also distribute products of other plywood manufacturers.

POPE & TALBOT PICKS MANAGER . . . John W. Snyder has been named general manager of the Oakridge, Ore., division of Pope & Talbot, Inc., succeeding L. C. Fucheck who recently resigned. Snyder has been sawmill manager for Moore Mill & Lumber Co., Bandon, Ore., for the past three years and was previously production manager for Weyerhaeuser Timber Co., North Bend, Ore., and Everett, Wash.

OPTIMISM FOR 1958 is expressed by the forest products industry in British Columbia, bolstered by an expected pick-up in home construction in Canada and the United States and increasing oversea exports. The industry does expect some hardships during the winter, however. A pleasant surprise has been the stability of the smaller sawmills and logging operations. The majority of such operations are working at a fair capacity. Plywood, which has been slow, anticipates increased demand in 1958.

E. W. HAYS, formerly with Western States Plywood Cooperative, Port Orford, Ore., is now general manager of Oroply Corp., Oroville, Calif., and is overseeing construction of the California plant which will utilize peelers from five cooperating sawmills.

TILLAMOOK VENEER CO. has purchased the dry end of the Crescent Plywood Co. in Crescent City, Calif., is now moving it to Tillamook, Ore., where the new owner will combine its equipment for a plywood operation producing 4 to 5 million square feet a month. Production at the plywood plant, to be located in one of the navy blimp hangers in Tillamook, is anticipated in the spring. Production will be Douglas fir, hemlock and spruce.

WALLER H. REED, chief forester for the Callins Almanor Forest, Chester, Calif., is the new president of the Western Forestry & Conservation Association. James M. Brown, Jr., Pack River Lumber Co., Sandpoint, Ida., was named first vice-president. Other vice-presidents selected at the recent meeting in Seattle, Wash., are Corydon Wagner, St. Paul & Tacoma Lumber Co., Tacoma, Wash.; Ross R. Douglas, Alaska Pine & Cellulose, Ltd., Vancouver, B. C.; Robert F. Dwyer, Dwyer Lumber Co., Portland, Ore.; George Neff, Anaconda Co., Bonner, Mont.; and Louis Frandsen, Southern Pacific Railway, San Francisco, Calif. Two recently retired foresters were honored at the session: Edward P. Stamm, former vice-president in charge of timber for Crown Zellerbach Corporation, and Norman C. Jacobson, former chief forester for St. Paul & Tacoma Lumber Co.

JAMES L. BUCKLEY, vice-president of Georgia-Pacific Corporation and president of its subsidiary Georgia-Pacific Alaska Co., has been appointed to the World Trade Advisory Committee, United States Department of Commerce. He will be one of 60 business leaders throughout the country serving on the committee.

EDWARD F. BAKER of the Lewis River Logging Co., Amboy, Wash., has been re-elected president of the Columbia Basin Loggers. Other officers re-elected include James L. Lakin, Jones Logging Co., Taft, Ore., vice-president; Henry E. Baldridge, Publishers Paper Co., Oregon City, Ore., secretary; Charles E. Nichols, Crown Zellerbach Corporation, Portland, Ore., treasurer; E. H. Crosby, assistant secretary-treasurer.

WATT SKINNER is now general sales manager of Pickering Lumber Corporation, Standard, Calif., according to F. F. Momyer, president and general manager.

NEW MANAGER AT HOLMES EUREKA in Eureka, Calif., is W. E. Lawson. He will be in charge of production and Adam Macpherson will continue as secretary. Lawson has 25 years of experience in the redwood industry, formerly was associated with Rockport Redwood Co., Rockport and Simpson Redwood Co., Arcata, Calif.

PRODUCTION EARLY IN 1958 is anticipated by Georgia-Pacific Corporation at its new kraft paper mill in Toledo, Ore. Test runs were started in December.

RALPH H. GLOSS, structural engineer specializing in timber design, has been elected a vice-president of Timber Engineering Co. He will retain the post of secretary of TECO in which he has served for the past seven years. New duties will include head of the product sales division.

INCREASED PRODUCTION OF PLY-VENEER will be possible at the Springfield, Ore., branch of Weyerhaeuser Timber Co. following completion of an addition to its present plywood plant. The new addition is scheduled for completion in March, will allow increased production of the kraft paper-veneer products.

NEW PRESIDENT OF THE SAF is George A. Garratt, dean of the Yale University school of forestry. He succeeds DeWitt Nelson, director of natural resources in California. Henry J. Malsberger, forester and general manager of the Southern Pulpwood Conservation Association, becomes vice-president of the Society.

A. J. WATT, vice-president in merchandising for U. S. Gypsum Company, has been elected president of the Hardboard Association. Other new officers include James Tisdall, Hines Lumber Co., vice-president; P. B. Shoemaker, Masonite Corporation, treasurer; R. D. Pauley, Weyerhaeuser Timber Co., secretary; R. S. Spangler, Masonite Corporation, assistant secretary. Directors include the officers and K. V. Hafner, Superwood Corporation; F. M. Hughes, Forest Fiber Products Co.; Arthur Vander Sys, Chapman Manufacturing Co.; and Walter Walling, Georgia-Pacific Corportion. Donald Linville is executive secretary.

INSULATION BOARD INSTITUTE has elected G. L. Oswald, Simpson Logging Co., as its president. Other officers include J. V. Jones, Armstrong Cork Co., vice-president; Marvin Greenwood, Celotex Corp., treasurer; M. M. Morris, Celotex Corp., assistant treasurer. Charles M. Gray is manager.

FORESTRY RECOGNITION AWARDS of the Kentucky-Tennessee section of the Society of American Foresters have been announced. They go to C. D. Dosker, president of Gamble Brothers, Inc., Louisville, Ky., and Ernest A. Clevenger, vice-president of Corley Manufacturing Co., Chattanooga, Tenn. The awards go annually to individuals or groups in the two states for rendering outstanding service in the over-all advancement of forestry in the states.

U. S. FOREST SERVICE PROMOTIONS in the Pacific Northwest region includge George H. Jackson to a Washington office field position where he will work with all western regions on mill scale and end production recovery studies. He has been doing similar work within the Pacific Northwest region and will be succeeded in this responsibility by James B. Lowrie who most recently was on the forest supervisor's staff of the Snoqualmie National Forest in Washington.

IMPROVED FIRE INSURANCE RATES toward wood and shingles in construction were reported at the annual meeting of the Red Cedar Shingle Bureau conducted in December at Seattle, Wash. Changes in building codes in numerous states to the advantage of wood were also told. R. D. Mackie, Mackie Mill Co., Markham, Wash., was re-elected president. Also re-elected were N. A. English, Northwest Cedar Products, Ltd., Vancouver, B. C., as vice-president, and Virgil G. Peterson, Seattle, as secretary-manager. Peterson reported that 11% of the nation's roofing is supplied by the red cedar shingle bureau. The industry at most could supply 15% so if sales could be stepped up 2% to 3% the industry could enjoy a splendid business.

U. S. PLYWOOD IMPORT-EXPORT PROMOTIONS include Joseph J. Eells to manager of the import department and Ernst Pino to manager of the export department. The appointments are the result of reorganization following the death of Harold Brod, manager of the former export-import department, in an airplane accident in the Philippine Islands. Eells has most recently been serving as assistant to the western regional vice-president. Pino has extensive background in export in foreign countries, had served as assistant to Brod.

EXECUTIVE CHANGES at Simpson Paper Co., Seattle, Wash., include promotion of Paul F. Peterson to plant manager and Frank R. Hamilton to director of research and product development. Peterson is a 20-year veteran with Simpson and its predecessor, Everett Pulp & Paper Co. His most recent assignment was as administrative director. Hamilton joined Simpson in 1951 after a 12-year career with Allied Paper Mills.

CORYDON WAGNER, JR., St. Paul & Tacoma Lumber Co., plywood division, Olympia, Wash., is the new president of the Tacoma Lumbermen's Club, succeeding Alan G. Ogren, Coast Sash & Door Co. Other new officers are David C. Greeley, Weyerhaeuser Sales Co., vice-president, and Gerald L. Monahan, Cascade Pole Co., secretary.

PARTICLE BOARD MARKETING AND TECHNICAL SERVICE will be offered by C. F. I. Boards, an organization recently established by William Hail, formerly sales manager for Neall Pressed Products Co., San Leandro, Calif. Hail headquarters in Castro Valley, Calif. Branch officers have been established in Tacoma, Wash., Portland, Ore., Los Angeles, Calif., and Denver, Colo. The new company will market particle board manufactured by more than 60 mills now producing or under construction. Arrangements are being made to edge mark all C. F. I. boards by numbers, using a perforated pressure-adhesive label. Each number will designate a different class or type of particle board. Initially, seven types with phenolic binders will be offered.

BOISE CASCADE PLANS A CORRUGATED CONTAINER PLANT costing $1 million at Burley, Ida. Construction will be started immediately and operation is anticipated in the summer of 1958. Boise Cascade is now building a container plant at Attalia on the Columbia River 30 miles west of Walla Walla, Wash., and will later build a pulp and paper mill at the same site.

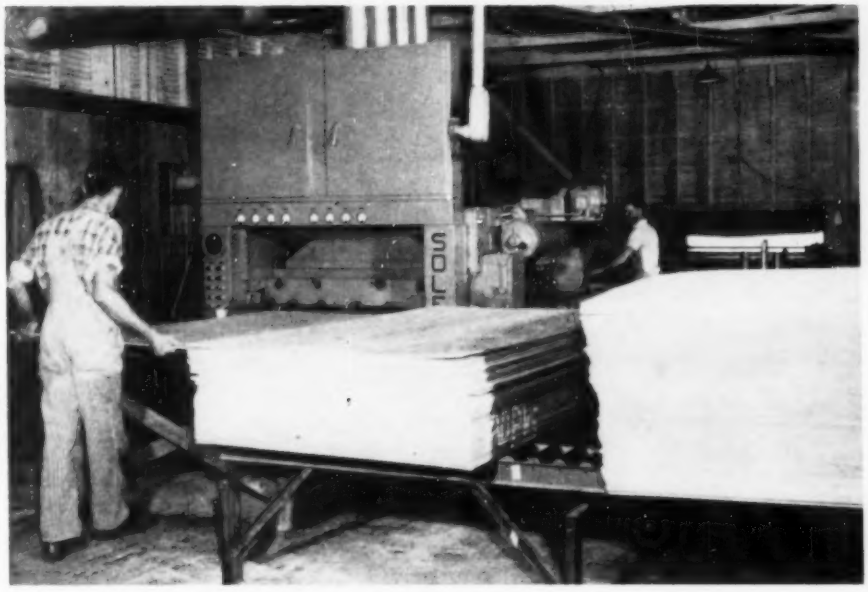
DEER CREEK LUMBER CO. is the new name of Lumber Specialties, a sawmill in Rocklin, Calif., following purchase by John H. Gieck. Gieck formerly operated a mill at Loomis under the same name.

CONSTRUCTION IS UNDERWAY on the new plywood plant of Triplay DeParral at Parral in Chihuahua, Mexico, and production is anticipated by early spring. An output of 2 to 3 million square feet a month of pine panels is planned. Mario Gonzales Muzquiz, owner of extensive timber and lumber producing facilities in Mexico, is a principal in the operation. Jack O'Brien, veteran west coast plywood operator, will be in charge of production.

DEAN K. PHILLIPS is now manager of public relations for the Diamond Gardner Corporation. He formerly served as director of public relations for the Gardner division, formerly the Gardner Board & Carton Co. He will work out of the New York City office of Diamond Gardner.

"SOLEM" MEANS "PRODUCTION"

THE "SOLEM" NAME ON YOUR SANDER MEANS CONTINUOUS, DEPENDABLE PRODUCTION



SOLEM EIGHT-DRUM DOUBLE-DECK SANDER IN OPERATION AT MULTI-USE PANEL CORP., EUGENE, OREGON.

TO ALL OWNERS OF MERRITT-SOLEM EQUIPMENT

Pay No Attention to misleading rumors or implications that Merritt-Solem equipment will no longer be built. This is not true. The full line is still being made, and will continue to be produced in the large plant we are building in Rockford. Merritt-Solem Division will appreciate your continued orders for parts, sub-assemblies, and new machines. It is safer to purchase your parts from the machine builder.

IT'S THE SURFACE THAT COUNTS

In plywood production, it's the smooth surface that counts and the Solem Double-Deck Drum sander produces this surface swiftly and economically.

DESIGNED FOR PRODUCTION

The Solem Double-Deck Drum Sander is designed for production—and that is what you get. Day in and day out with hardly a stop; when repairs are necessary, all the working parts are in the top deck so you don't climb into the machine.

RIGID CONSTRUCTION

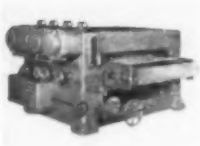
The Heavy Base and Rigid construction throughout assure you of years and years of productive service with minimum repairs.

PROFIT MAKER

SOLEM Double-Deck Drum Sanders are making profits for veneer and plywood manufacturers everywhere; why don't you learn more about them?

VENEER LATHES

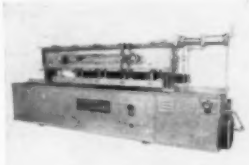
VENEER CLIPPERS



ENDLESS-BED DRUM SANDERS

HOT PLATE PRESSES

Merritt-Solem Division of Solem Machine Company makes a variety of machinery necessary in veneer and plywood production, as shown in the small illustrations on this page.



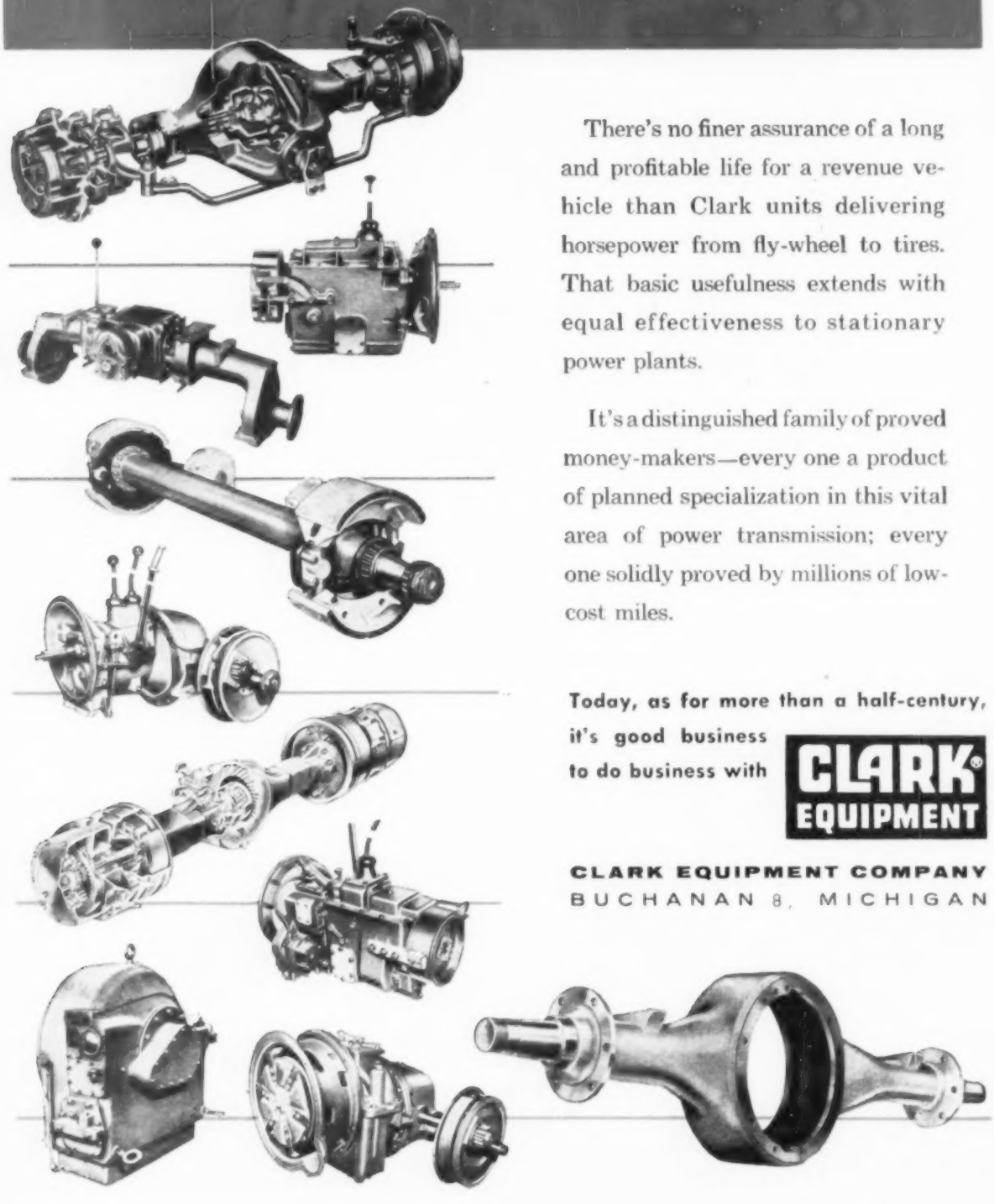
VENEER JOINTERS

Write Today For More Information

SOLEM MACHINE COMPANY

ROCKFORD, ILLINOIS

From fly-wheel to drive-wheel
. . . let it be CLARK



There's no finer assurance of a long and profitable life for a revenue vehicle than Clark units delivering horsepower from fly-wheel to tires. That basic usefulness extends with equal effectiveness to stationary power plants.

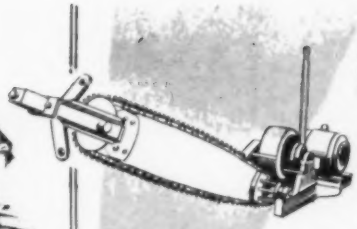
It's a distinguished family of proved money-makers—every one a product of planned specialization in this vital area of power transmission; every one solidly proved by millions of low-cost miles.

Today, as for more than a half-century, it's good business to do business with

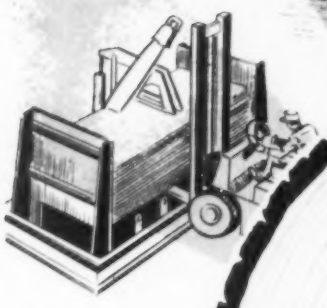
CLARK® EQUIPMENT

CLARK EQUIPMENT COMPANY
BUCHANAN 8, MICHIGAN

Rip a log into halves or quarters, speedily, accurately.



Cutting peeler blocks on the pond can be automated for added production.



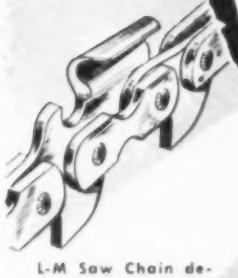
Push-button operation controls complete job of core and fishtail cutting.

L-M deck installations make more profits in less time.

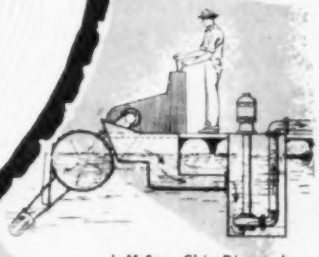
L-M

THE HOUSE OF CHAIN SAWS

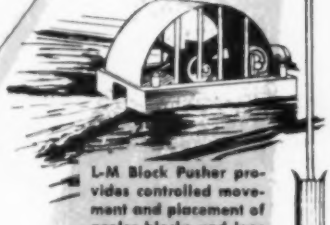
Everything From a Simple Saw Mandrel to Fully Automatic Pond and Deck Saw Package Units



L-M Saw Chain designed for specific jobs: Cross-Cutting, Splitting, Fishtail Sawing.



L-M Saw Chip Disposal Unit keeps pond clean, provides useful by-product for fuel or pulp.



L-M Block Pusher provides controlled movement and placement of peeler blocks and logs in your pond.

L-M Steel Floats are adjustable to flotation depth for proper operation of Saw Chip Disposal Unit.

L-M Crucible Alloy Steel Saw Bar, fortified against shock, strain; hardened chain travel zone.

L-M EQUIPMENT COMPANY — THE HOUSE OF CHAIN SAWS

Electric Air, Hydraulic Controlled | Standard and Custom-built Models

Pond, Deck and Log Splitting Saws | Portable Electric and Gasoline Powered Chain Saws

L-M Saw Chain Bars

L-M Saw Chain

Northern California Representative:
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L-M Equipment Co. (BC) Ltd.
6180 Lougheed Highway
North Burnaby, B. C.
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for EXPERIENCE
look to *Mann-Russell*

LEADER in electronic edge-gluing for both veneer and lumber, Mann-Russell flat-plane edge-gluers have long been the accepted standard of the fir plywood industry. The Mann-Russell has the widest use, is most copied by others. Its patented features include interlacing feed, drive and retarding section; differential speeds; V-belt drive and chain in-feed; elongated electrode configurations using the Mann-Russell patented process of "Parallel Bonding." When you buy Mann-Russell you buy experience, originality, and continued interest in your production problems.

and now, the MODEL "B" *Mann-Russell Electronic*

Continuous, Flat-Plane

VENEER EDGE-GLUER

Available for fast delivery . . . the Model "B", incorporating original firsts of the Model "A", as well as new features. It's a top quality unit with design based on years of close contact with mill requirements.

Outstanding features of the improved Model "B" include new electrode configurations, incorporating the latest Mann-Russell patented heat retention non-arcing electrode structure; slightly wider carrier belt spacing; latest and most efficient construction and speed control details. It is adapted primarily for veneers 1/10th inch and thicker, and it is priced slightly lower than the universal Model "A" which is designed to accept thinner veneers.

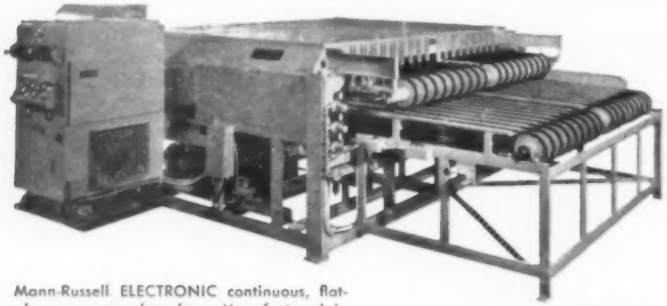
EXISTING MODELS MAY BE MODERNIZED

Conversion kits for older models are available. These low budget kits permit all Mann-Russell equipment to be modernized; to employ the latest developments in edge-gluing technology, to minimize radiation and arcing, to increase reject-free output.

INVESTIGATE THE NEW MANN-RUSSELL MOISTURE DETECTOR . . .
Efficient—reasonably priced!

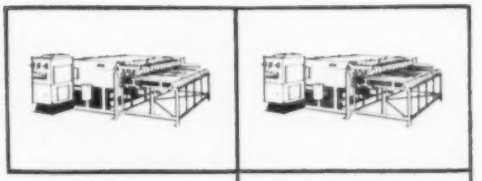
MANN-RUSSELL ELECTRONICS

South 23rd and Pacific Ave., Tacoma 2, Washington • FUlton 3-1593



Mann-Russell ELECTRONIC continuous, flat-plane veneer edge-gluer. Manufactured in any size, from 50" to 130" stock length. Patented and patents pending.

Model "A," All thicknesses
Model "B," 1/10th inch and thicker



Leading Names
in the plywood industry rely on
MANN-RUSSELL ELECTRONIC
VENEER EDGE-GLUER

Anacortes Veneer, Inc.
Anacortes, Wash.

Arcata Plywood Corp.
Arcata, Calif.

Bate Lumber Co.
Merlin, Ore.

B. C. Forest Products, Ltd.
Victoria, B. C.

Bohemia Lumber Co.
Culp Creek, Ore.

Bradley Plywood Corp.
Savannah, Ga.

Brookings Plywood Corp.
Brookings, Ore.

Canadian Forest Products, Ltd.
New Westminster, B. C.

Cascades Plywood Corp.
Lebanon, Ore.

Commonwealth New Guinea Timbers, Ltd.
Bololo, New Guinea

Diamond Lumber Co.
Tillamook, Ore.

Harbor Plywood Corp.
Aberdeen, Wash.

Jefferson Plywood Co.
Madras, Ore.

MacMillan & Bloedel, Ltd.
Alberni Plywood Div.
Port Alberni, B. C.

MacMillan & Bloedel, Ltd.
Vancouver Plywood Div.
Vancouver, B. C.

Mutual Plywood Corp.
Eureka, Calif.

Nickey Brothers, Inc.
Memphis, Tenn.

Northern California Plywood Co.
Crescent City, Calif.

Roseburg Lumber Co.
Dillard, Ore.

Simpson Redwood Co.
Eureka Plywood Div.
Eureka, Calif.

Simpson Logging Co.
Lyons Plywood Div.
Lyons, Ore.

Simpson Logging Co.
Portland Plywood Div.
Portland, Ore.

Sooke Lake Lumber, Ltd.
Victoria, B. C.

Southern Oregon Plywood Corp.
Grants Pass, Ore.

Veneer Products Co.
Medford, Ore.

Western Plywood Co., Ltd.
Vancouver, B. C.

Western Veneer & Plywood Co.
Lebanon, Ore.

Weyerhaeuser Timber Co.
Springfield, Ore.

Which Extender Should I Use for Plywood Resin Glue

Ask Those Who Know!

Put this question to plywood management from California to British Columbia and 7 out of 10 will answer FURAFIL 100-S. Five years of proved performance in Douglas fir plywood production have shown them that:

1. **Furafil glues are money savers. Shorter press times, faster mixing, and fewer rejects mean dollars.**
2. **For uniform day-to-day quality of bond, Furafil extended glues are unsurpassed.**
3. **Service is prompt and the supply is excellent.**

If you haven't tried Furafil yet, we urge you to do so. Your inquiries are invited.

The Quaker Oats Company
CHEMICALS DEPARTMENT
QO CHEMICALS

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Chicago 54, Illinois

Room 544M, 120 Wall St.,
New York 5, N. Y.

Room 444M, 48 S. E. Hawthorne Blvd.,
Portland 14, Oregon

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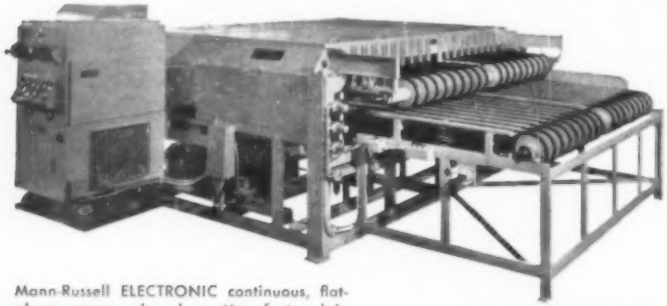

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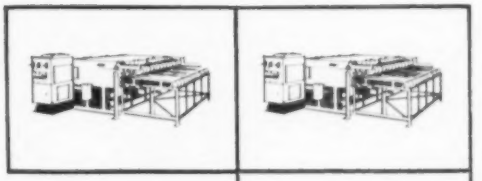

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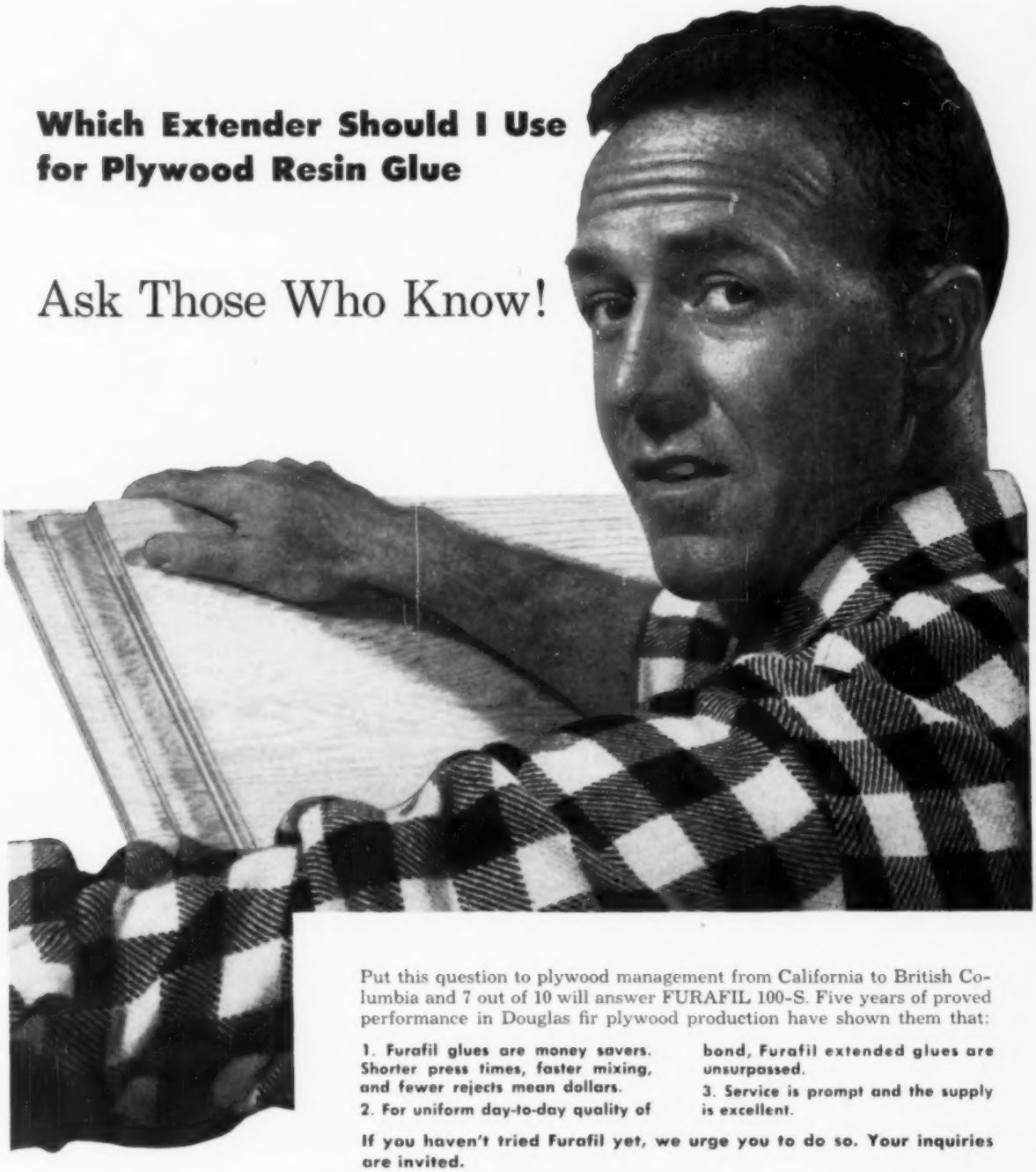

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The Quaker Oats Company
CHEMICALS QO CHEMICALS DEPARTMENT

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WE CUT AND MACHINE ANY PANEL MATERIAL TO YOUR EXACT SPECIFICATIONS

- **EXTRA SALES VOLUME FOR MANUFACTURERS AND JOBBERS**
- **PANELS TAILORED TO YOUR CUSTOMERS' SPECIFICATIONS**
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No need to turn down industrial business because the order calls for odd, non-standard sizes. Willard V. Young Co. specializes in working with manufacturers and distributors to supply industrial accounts with plywood and other panels machined to any specifications. Panels can be shaped, drilled, routed, cut out and primed. Mills and jobbers can supply materials for milling in transit or we will obtain materials if necessary. Twenty-five years of dependable operation. We will quote on receipt of specifications and/or samples.

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ADHESIVES & SYNTHETIC RESINS FOR—

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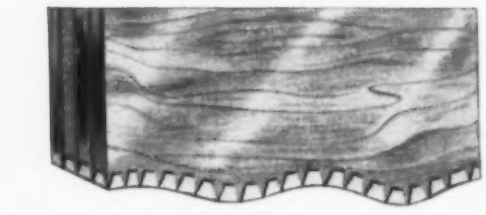
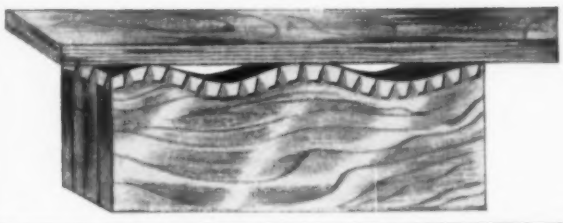
AMERICAN-MARIETTA COMPANY

. . . USE LOW COST FORMS





GET BETTER *Curved Furniture Panels* FASTER

with a **LODGE & SHIPLEY** *Columbia*

HIGH-FREQUENCY PRESS

For low cost production of better curved panels . . . chair seats and backs, case goods, cabinets, fronts . . . switch to a Columbia High-Frequency Press.

Operation is fast, simple: 1) insert glued pack and start curing cycle; 2) minutes later, remove finished panel. You get high production from a single set of low cost metal-faced laminated wood forms. Floor space formerly needed for curing storage can be used for profitable production.

With a Columbia High-Frequency Press, you get *double versatility*. The same press is quickly switched over to conventional cold press work. High-frequency equipment and shielding meets all FCC requirements.

For complete details, write for Bulletin No. HF-12.

The Lodge & Shipley Co.,
3060 Colerain Ave., Cincinnati 25, Ohio

FOUR OUTSTANDING ADVANTAGES

- **Laminated part is stronger, more uniform, better looking**
- **Costly band-sawing, complicated sanding and finishing eliminated**
- **Fast setting by High-Frequency heat makes extra forms unnecessary**
- **Low form cost makes small lot production practical for the first time**

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Quality Controlled Products for the Plywood and Wood Products Industries

Uniform quality

CAUSTIC SODA

For uniform plywood glue bond.
Flake, Crystal, Powder, Liquid.

PENITE 6X and PENITE 35

Special arsenite formulation for weed control and chemical debarking.

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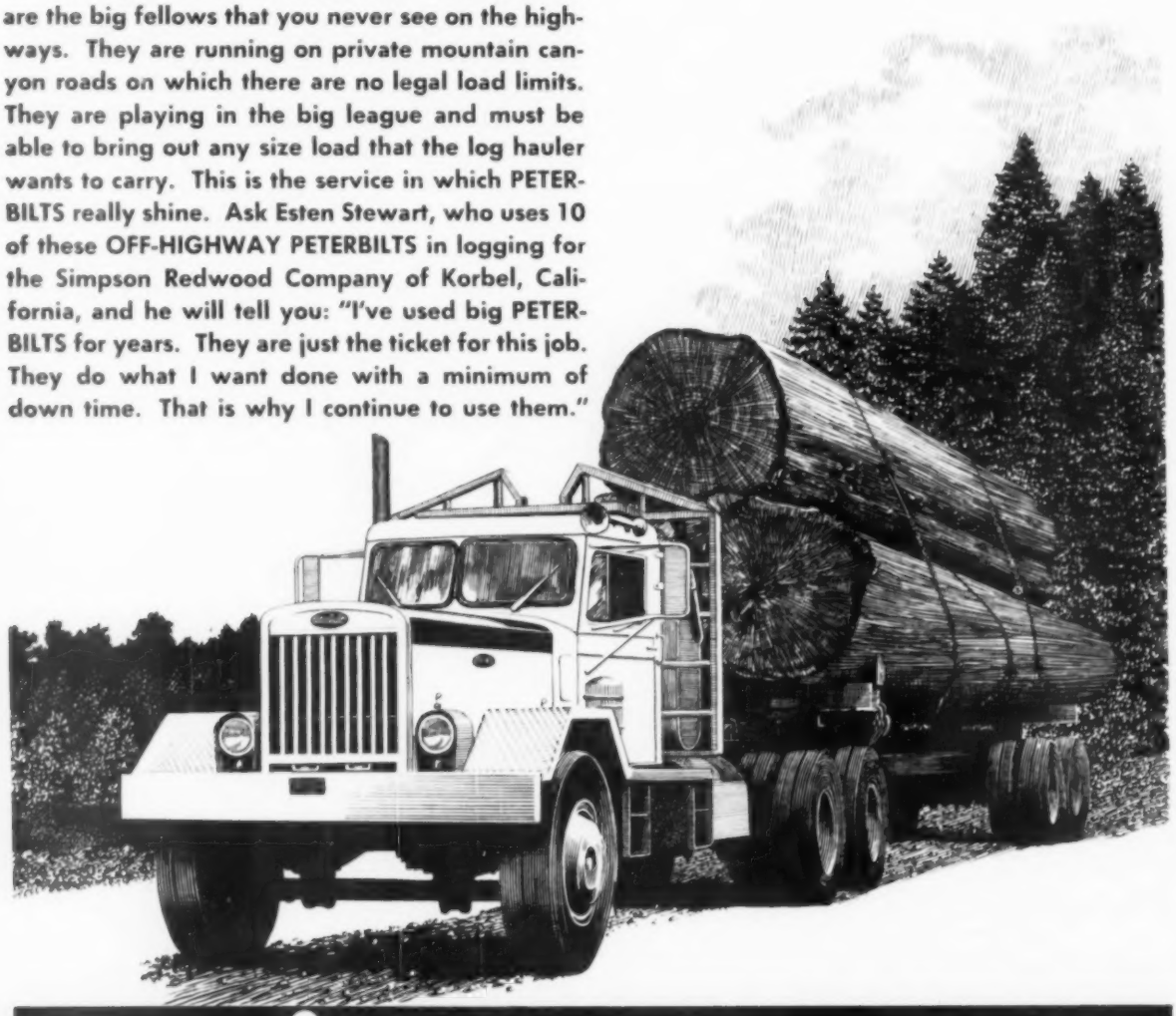
off-highway Peterbilts really roll 'em in!

The Model 381 OFF-HIGHWAY PETERBILTS are the big fellows that you never see on the highways. They are running on private mountain canyon roads on which there are no legal load limits. They are playing in the big league and must be able to bring out any size load that the log hauler wants to carry. This is the service in which PETERBILTS really shine. Ask Esten Stewart, who uses 10 of these OFF-HIGHWAY PETERBILTS in logging for the Simpson Redwood Company of Korbel, California, and he will tell you: "I've used big PETERBILTS for years. They are just the ticket for this job. They do what I want done with a minimum of down time. That is why I continue to use them."



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HEAVY DUTY TRUCKS—MACDONALD LOW BODY & LIFT TRUCKS

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G-P Guaranteed Premium Sheathing

- Stores outdoors without delamination in any weather or climate.
- New Premium Sheathing at no premium in price!
- New glue line is mold-free, resists moisture during outside storage for up to one year.
- Panels are edge sealed.
- Available in all standard sizes and thicknesses.
- Packaged in steel-strapped bundles, 25 inches high for most convenient handling.

G-P PREMIUM SHEATHING

special guarantee

Georgia-Pacific Corporation guarantees G-P Premium Sheathing against delamination and mold for 12 months when stored outdoors off the ground and under a tarpaulin, or for 6 months off the ground, uncovered.

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Please send specification literature on G-P Premium Sheathing.

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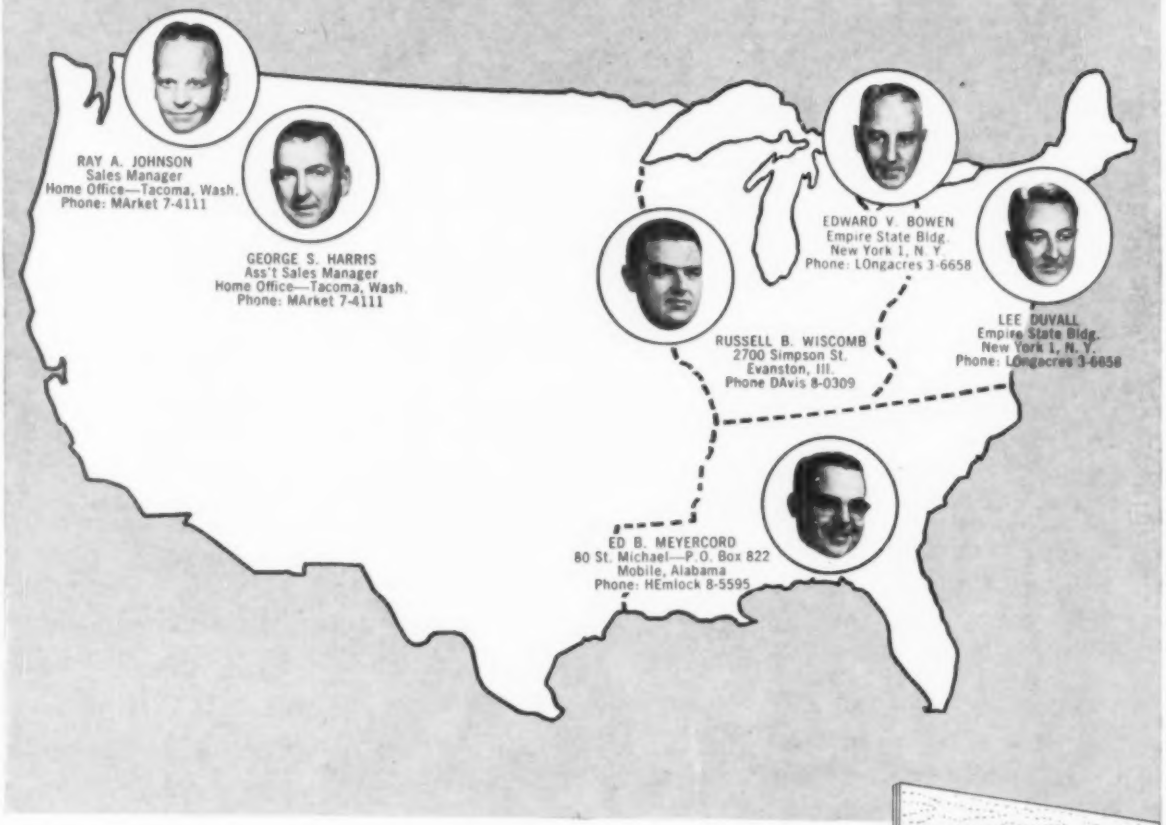
GEORGIA—PACIFIC CORPORATION

Sales Representatives You Should Know!



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- $ "GRAINGLO" Douglas Fir BRUSHED PLYWOOD
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- $ PHILIPPINE MAHOGANY PLYWOOD
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- $ BIRCH PLYWOOD
- $ EXTERIOR & INTERIOR FIR PLYWOOD (all grades)—sizes up to 60" x 120"
- $ 2-4-1 SUBFLOOR UNDERLAYMENT
- $ "BRUSHED" TEXTURE ONE-ELEVEN
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PUGET SOUND PLYWOOD, INC.

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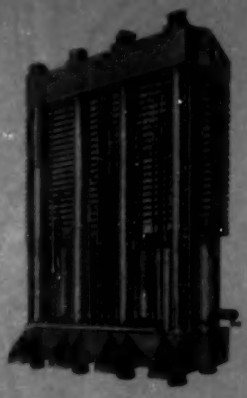
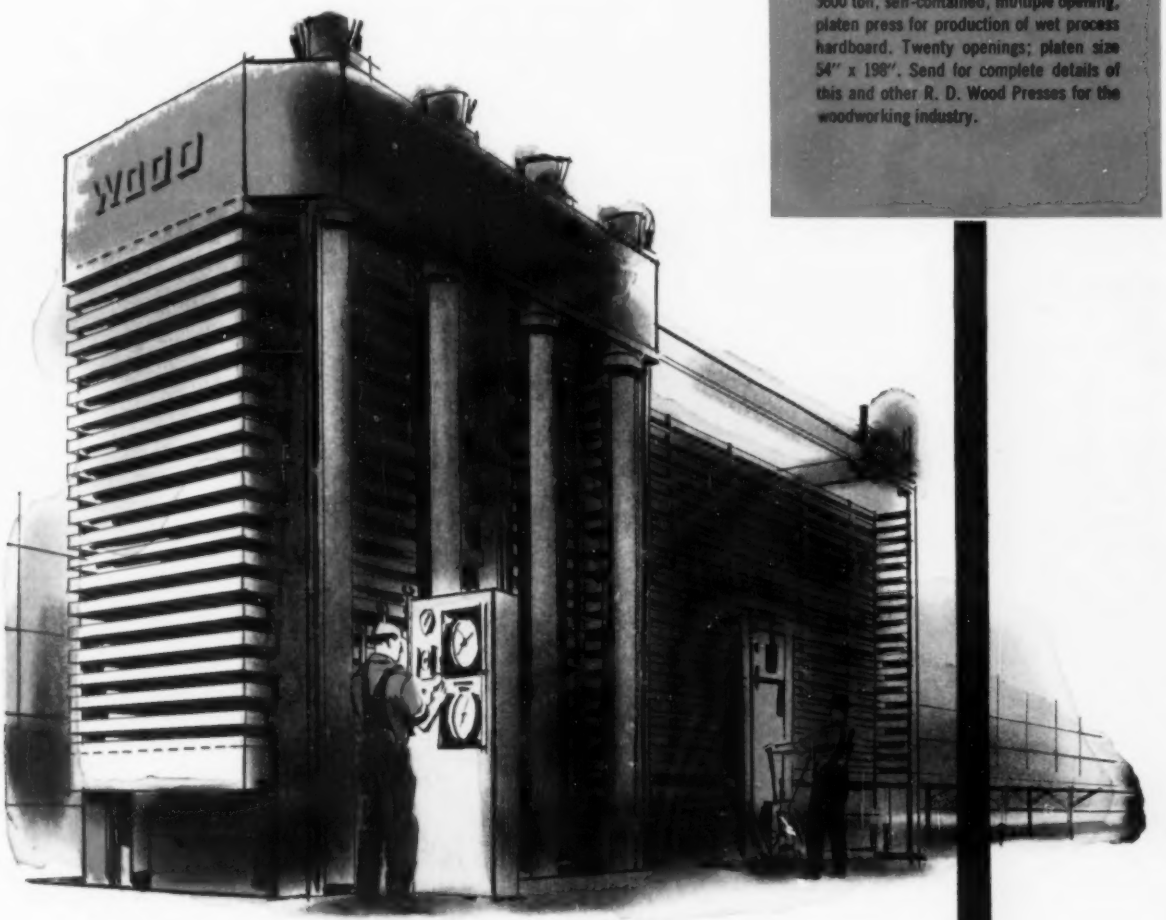
We sell to jobbers exclusively . . . our policy since 1942

There's always a job for a Wood Press . . . and a Wood Press to do the job

When you want a production shortcut—when downtime and costs need trimming—there's a job for a Wood Press. And in almost every type of woodworking operation, there's a Wood Press to do the job. R. D. Wood builds presses for producing hardboard, composition building boards, veneer, plywood and pressed wood—besides designing and constructing others for special work. All have three things in common: sound design, carefully selected materials, conscientious workmanship. As a result, R. D. Wood Presses consistently deliver the utmost in smooth, dependable performance; fast, economical production; trouble-free operation. Write for catalog and engineering information—without obligation.

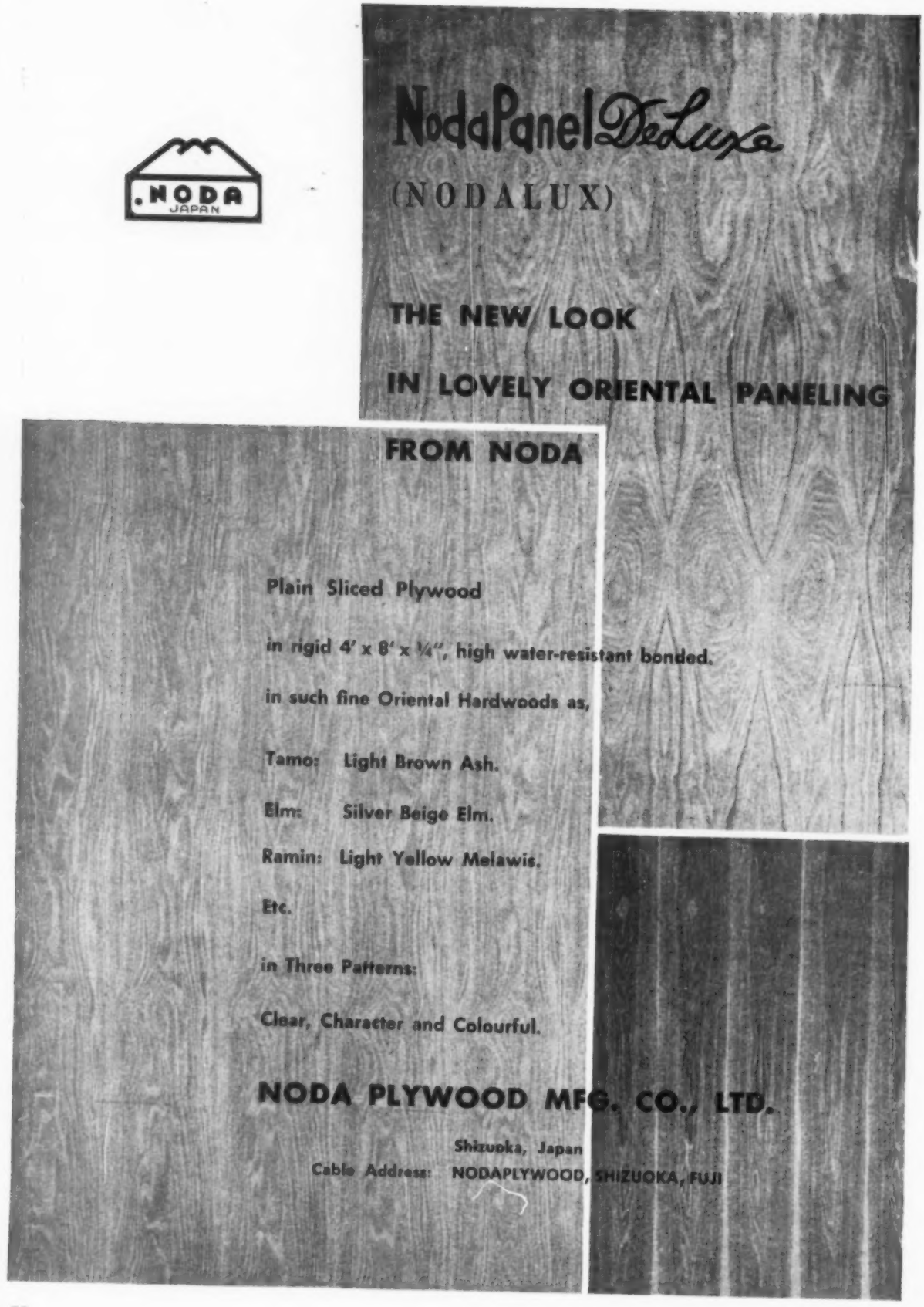


3600 ton, self-contained, multiple opening, platen press for production of wet process hardboard. Twenty openings; platen size 54" x 198". Send for complete details of this and other R. D. Wood Presses for the woodworking industry.



R. D. WOOD COMPANY

PUBLIC LEDGER BUILDING • PHILADELPHIA 5, PENNSYLVANIA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NodaPanel DeLuxe
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THE NEW LOOK
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FROM NODA
Plain Sliced Plywood
in rigid 4' x 8' x ¼", high water-resistant bonded.
in such fine Oriental Hardwoods as,
Tamo: Light Brown Ash.
Elm: Silver Beige Elm.
Ramin: Light Yellow Melawis.
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in Three Patterns:
Clear, Character and Colourful.
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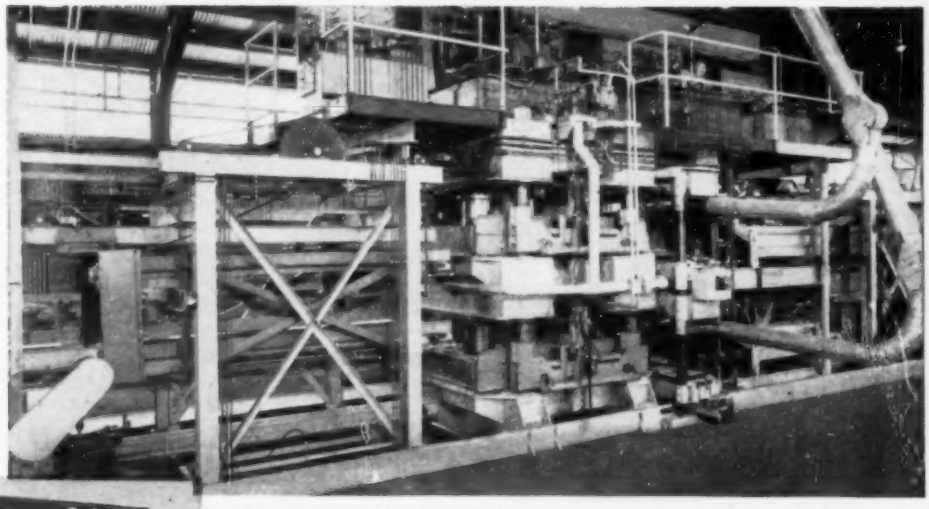
AUTOMATION

IN HARDBOARD PRODUCTION

With VICKERS® HYDRAULICS

REDUCES COSTS • IMPROVES UNIFORMITY • PROVIDES FLEXIBILITY

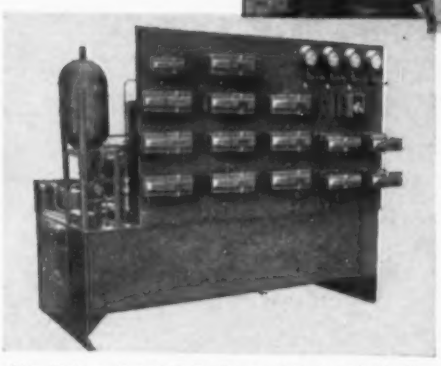


Prepress area of automatic hardboard plant designed and built as a package unit by the Industrial Development Company, Tacoma, Washington for Columbia Hardboard Company, Inc.

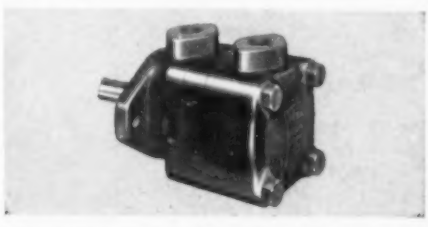
Reported to be the most highly automated in the wood products industry, this plant produces 60,000 sq ft of "Cedawood" per day (½" basis).

Seven Vickers Custom-Built Hydraulic Power Units play an important part in this performance; four are shown (in the photograph above) mounted on the platform directly above the prepress. The other three operate a series of automatic transfer systems in various parts of the plant. The transfer drives also use Vickers Vane Type Hydraulic Motors, which provide easily controlled variable speed for synchronizing various operations and for overload protection.

The use of hydraulic variable speed drives makes it easy to vary production rate, flakeboard thickness (⅛" to 1"), and type of product. Additional features are: accurate control, simplicity of installation, and low maintenance. For further information about the many benefits you get from Vickers Hydraulics, ask for Bulletin 55-67.



This Vickers Custom-Built Power Unit is individually designed to meet specific needs. It assures dependable performance, improves and simplifies design, reduces installation time and cost, and makes servicing easier. Write for Bulletin 52-45.



The performance-proven Vickers Balanced Vane Type Hydraulic Motor is an economical, efficient, and compact means of providing variable speed rotary power. It can be used for reversing service and can be stalled under load without damage. Write for Bulletin I&M-5103.

7834

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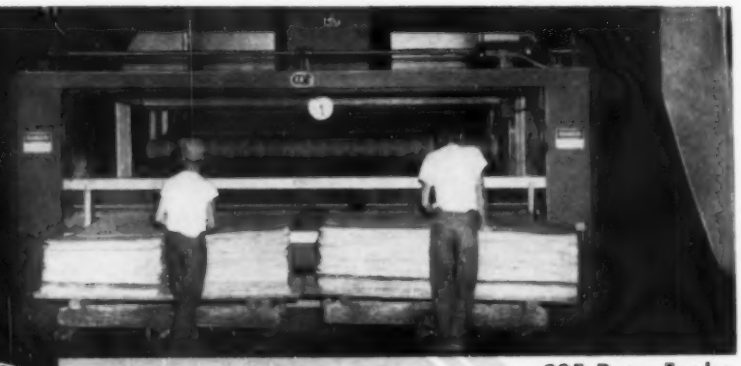
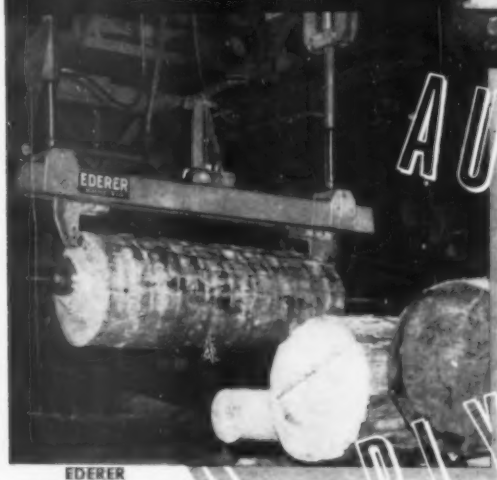


COE Dryer Feeder

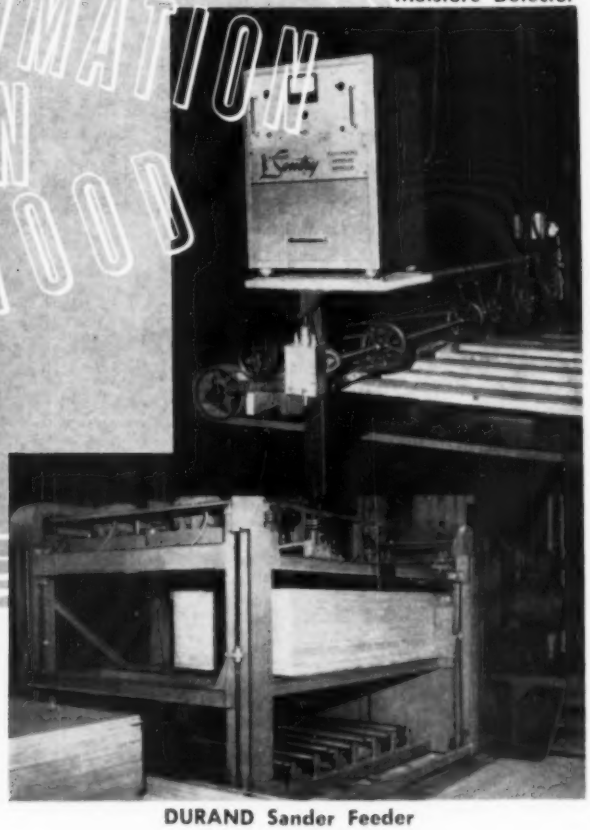
LAUCKS
Moisture Detector



EDERER
Lathe Charger

AUTOMATION IN PLYWOOD

DURAND Panel Stacker



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STRI-BOARD
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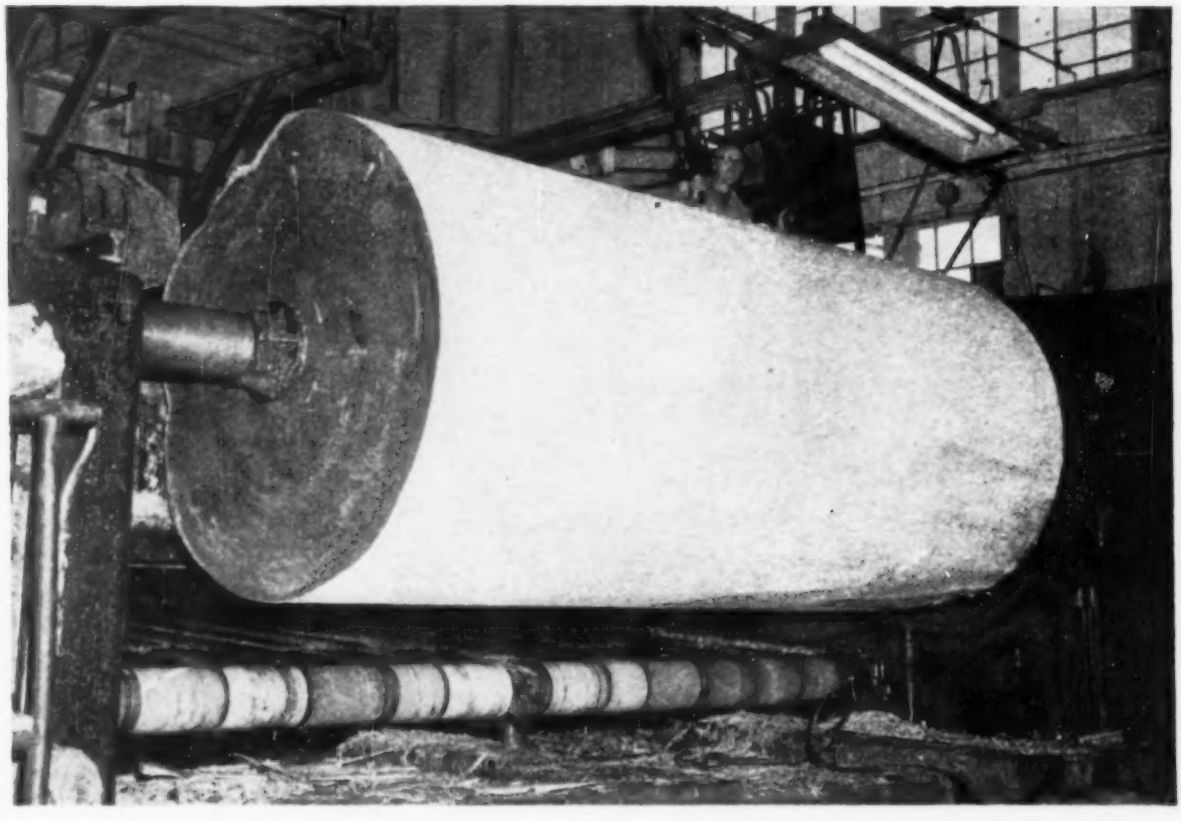
cutting down giants to size . . . a specialty of

O-KNI-CO PROCESSED VENEER KNIVES



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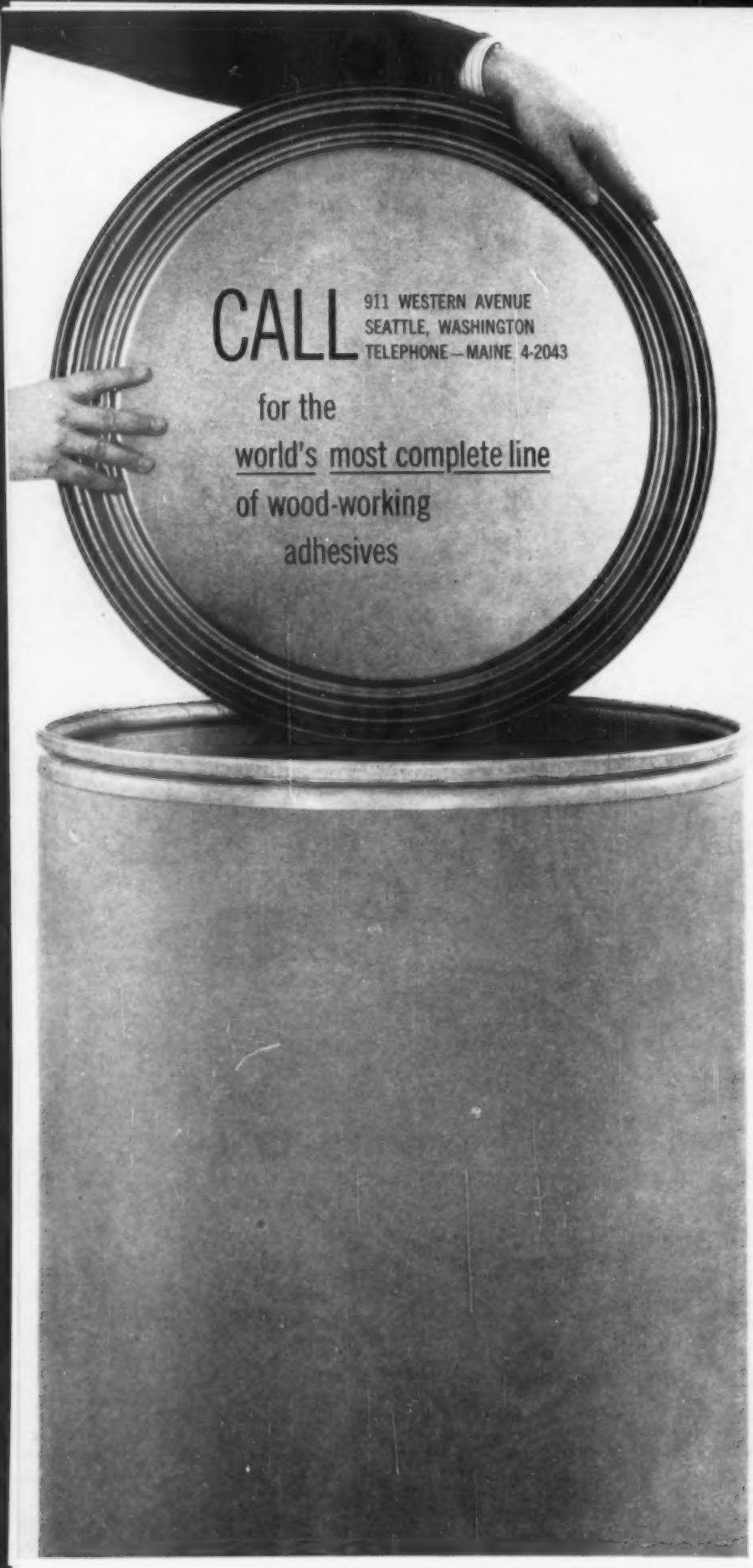

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CASEIN supplied as dry powders for assembly gluing, laminating, prefabricated housing operations, etc.

For full information about Monsanto adhesives, call or write to Monsanto Chemical Company, Plastics Division, 911 Western Avenue, Seattle 4, Washington.

Monsanto

NO-CLAMP. REG. U. S. PAT. OFFICE

Change Will Come To Plywood

That plywood can absorb change is a built-in characteristic that will continue economic forces working for that industry. Were it not for this ability, we might then look for signs of decadence.

As the forests change—as demands and needs of people are altered—the products and its people must also be sufficiently agile to meet new conditions.

A revolutionary change was signaled to the wood industry when the first plywood panel was produced. With mass production techniques applied to plywood, an entirely new "panelized" concept was introduced to the construction industry with its faster, easier and more economical application.

It is this ability to adapt to many conditions that has made plywood so readily acceptable. The fact that it can be engineered to so many sizes and shapes for uses: That it may be combined with woods, glass, steel, aluminum, insulation, paper and overlays—that it can sail on water or hold concrete for forming, has earned for plywood the title of "miracle wood".

But the miracle is inherent in wood itself, which makes it adaptable for sawing, peeling, chipping, pulping, forming, pressing, extruding, shaping and even tailoring to specific requirements. Though each wood product must be proven in the market place, all may be combined with plywood.

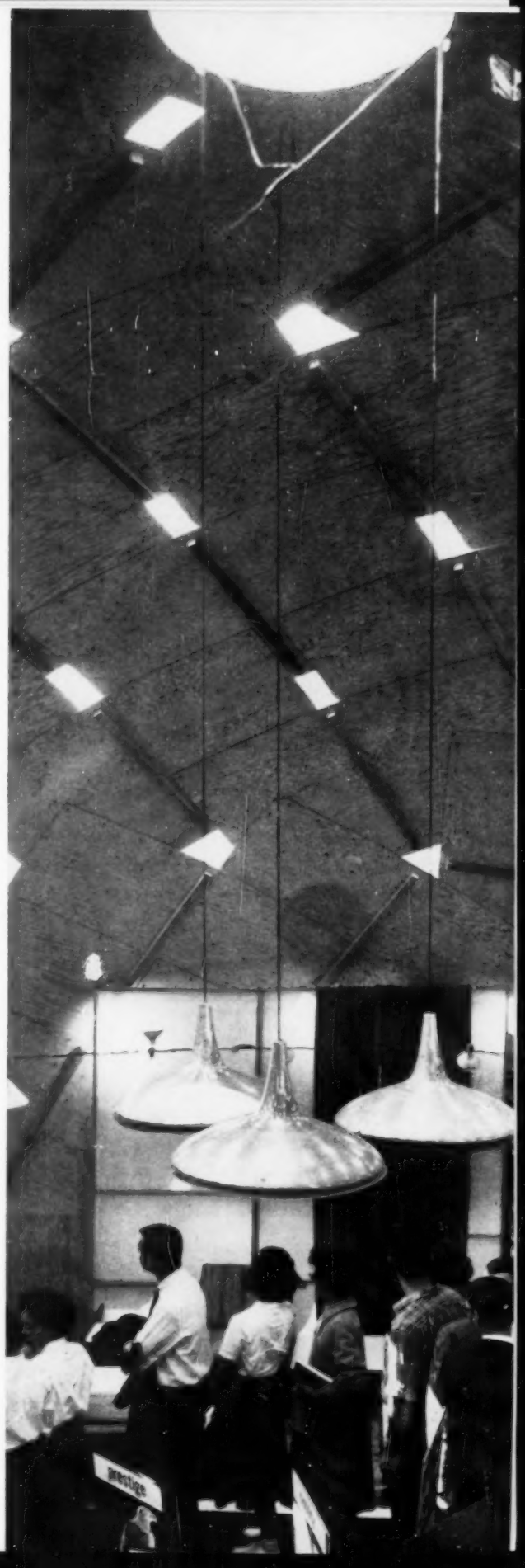
The fact that unblemished panel faces may decline in supply as the forests change in character presents a challenge, not an alarm. The more products that may be combined with plywood the more useful plywood becomes with its advantages of structural strength and possibilities of improved surface appearances.

Apparent now are many avenues for improvement. Many more will appear as we learn. Fabrication of components for faster, better and more economical construction; packaging and prefinishing for better merchandising and product appearance; fire proofing, vermin proofing, single exterior glue line—all will open new and important diversified markets. Improved plant automation to reduce costs and upgrade quality will bring better products.

The inevitableness of change and persistence of competition will make continuous and intensive research essential. By living with "production-beyond-demand", we are learning the need for developing an acute sensitiveness to the relationship between product output and market trends and demands.

Convenience and adaptability are two of plywood's greatest virtues. As long as we recognize these factors and look upon change as a challenge, then only the minds of men will be the limiting factor.

As long as we do not become lost in the confusion of short-term trends—as long as we keep our minds alert and our machines ready for change—as long as we research and research, promote and promote, the demand for plywood will continue to grow.



January, 1958 (Published December 27, 1957)

STATE of the INDUSTRY

PLANNING PLYWOOD'S FUTURE: W. E. Difford, center foreground, discusses plans with DFPA management committee. L to R, seated: Howard Lemons, Edward Hines Lumber Co.; W. C. Ulett, Textron, Inc.; John Connors, Brookings Plywood Corp.; Earl Arthur, Weyerhaeuser Timber Co.; G. C. Brewer, U.S. Plywood Corp.; F. L. Foval, International Paper Co.; Enar Erickson, Peninsula Plywood Corp.; C. H. Bacon, Jr., Simpson Logging Co.; Kenneth Ford, Roseburg Lumber Co.; J. H. Martinson, Puget Sound Plywood, Inc.; J. L. Buckley, Georgia-Pacific Corp.; Harrison Clark, secretary to committee. Standing, L to R: Marion Marquis, DFPA counsel; A. W. Agnew, The Pacific Coast Co.; Jackson Beaman, Southern Oregon Plywoods, Inc.; Kirk Cooper, Roddiscraft, Inc. Not in photo were: Roy Gould, Diamond Lumber Co.; George Raknes, Centralia Plywood, Inc.

For the 12th straight year, softwood plywood production ended up the year of 1957 with a new high. Moving from a position of 5.6% behind 1956 production in the early months of the year, by the time figures were completed at the year's end, an increase of 4% to 4½% was clearly anticipated. This is in spite of the reduced housing starts for 1957. Plywood's biggest year in both production and sales will nonetheless be one of thinner profit margins, attributable to higher costs and narrowing demands.

One thing was learned by the industry, however, and that is the fact that higher demands than were anticipated were made by the industry and other construction uses, which more than made up the lag in home building. This may well set a pattern for future plywood product development and promotion.

PRODUCTION of fir plywood mills in the United States during 1957 is estimated to reach 5.45 billion square feet, an increase of 210 million square feet over 1956. The 775 million square feet produced by British Columbia mills showed a decrease of about 50 million square feet.

Western states production of pine plywood is estimated at 125 million square feet; larch, hemlock, spruce and true firs, 169 million square feet; redwood, 5.8 million square feet and cedar 3.8 million square feet. The estimated total softwood production for the Western states, including all softwoods, is 5.75 billion square feet. For the Western states and British Columbia combined, total softwood production is 6.52 billion square feet for 1957, a total increase of about 270 million feet.

Hardwood plywood production, including hardwood faced panels, produced by plants in the western states is set at 288 million square feet. An additional 31 million square feet of hardwood plywood is estimated for British Columbia mills.

The total of all plywood produced in the western states will reach approximately 6.038 billion square feet.

Together with British Columbia, the total for the Western area, including all species, hardwood and softwood, is expected to stand at 6.84 billion square feet or an approximate 4½% increase over 1956.

NUMBER OF PLANTS in the western states, British Columbia, Alaska and Alberta totaled 138 at the end of 1957. Of these plywood plants, 123 were in the states, 13 in British Columbia, one each in Alaska and Alberta.

However, all plants did not operate during the year. Of the 124 plants in the western states and Alaska, 120 were operating and 119 producing softwoods. All of the 13 B. C. plants were in production during the year. Attempts are being made to reorganize four of the closed plants and bring them into production during 1958.

Ownerships of the 124 western states and Alaska plants were invested in 91 companies, while ownerships of the 13 B. C. plants were placed within 9 companies.

Four new plants came into production during 1957 of which three were in Oregon and one in British Columbia. At the same time, three plants in the states quit business, leaving a total gain of one plant for the smallest increase in a decade.

Of the 120 producing plants in the western states, 119 produced Douglas fir; 16 produced pine; 3 produced larch; 10 produced hemlock and spruce; 2 produced redwood; 2 produced cedar; 4 produced Noble fir, white and silver fir; and 26 produced hardwood plywood. All 13 plants in British Columbia manufactured fir plywood and 2 produced hardwood while one produced pine.

PLYWOOD PLANTS ADDED during 1957 were: Drain Plywood Co., Drain, Ore.; Giustina Veneer Co., Eugene, Ore.; and Oregon Veneer Co., White City, Medford, Ore. All were conversions from veneer plants. The other plant was the S & K Plywood Ltd., Kelowna, British Columbia.

VENEER PLANTS coming into production during 1957 numbered five, one in California, three in Oregon and one in Washington. They are Evans Products Co., Ophir, Ore.; Stimson Lumber Co., Forest Grove, Ore.; Willamette Valley Lbr. Co., Carlton, Ore.; Hoopa Veneer Co., Hoopa, Calif. and Timber Salvagers, Inc., Snoqualmie, Wash. This compares with 24 new veneer plants that came into production during 1956 and 23 new veneer plants in 1955. In addition to reduction in the total number of veneer plants due to conversion to plywood, there were two veneer plants liquidated during the year. One was in British Columbia and one was in Washington. Not operating were one veneer plant in California and one in Oregon and two in Washington.

PRODUCTION BY GRADES, 1956 - 1957

	Production 1956		Est. Production 1957	
Grades	% of Total	Millions of feet 3/8" Basis	% of Total	Millions of ft. 3/8" Basis
Interior				
A-A	2.67	140	2.37	128
A-B	4.20	220	3.88	210
A-D	27.45	1,438	25.50	1,377
B-B	1.10	58	1.02	55
C-D	24.72	1,295	27.97	1,510
Other	3.90	205	4.37	236
Total Interior	64.04	3,356	65.11	3,516
Exterior				
A-A	1.32	69	1.14	61
A-B	1.60	84	1.38	75
A-C	13.09	686	12.15	656
B-B	6.51	341	6.18	333
C-C	1.13	59	1.01	55
Other	3.14	165	4.26	230
Total Exterior	26.79	1,404	26.12	1,410
Unidentified	9.17	480	8.77	474
Total Industry	100.00	5,240	100.00	5,400

TOTAL OPERATIONS of both plywood and veneer plants in the Western states, Alaska, British Columbia and Alberta, producing softwood and hardwood plywood and veneers, was 221 plants for the year, status quo with 1956. Of these plants 138 were plywood, and 83 were veneer. Operating were 133 plywood plants and 79 veneer plants.

UNDER CONSTRUCTION and to come into production during 1958 are three plywood plants in Oregon. Two are new and one is a conversion from veneer. They are: Dwyer Lumber Co., Portland, Ore., converting; White City Plywood Co., White City, Medford, Ore. and United States Plywood Corp., Roseburg, Ore. Additionally the Richmond Plywood Corp., Ltd., at Richmond near Vancouver, B. C. that was started as a cooperative, is reported to have been acquired by Anacortes Veneer Co., at Anacortes, Wash. and will be placed in production. Providing all present plants remain in producing units, this would bring Oregon's total number of plants to 68 and 14 for British Columbia.

Veneer plants under construction and scheduled for production in 1958 include the following: Oroply Corp., Oroville, Calif.; and Firwood Veneer Co., at Sandy, Ore.

No other plants have been definitely reported scheduled ahead for 1958. Should demand increase and prices become more favorable, it is likely that consideration may be given to the construction of additional plants as further utilization units. These would be principally by established lumber companies. However, to date, few are willing to go further than to say it is in their long-range thinking. The same situation exists as far as veneer plants are concerned. Separate veneer operations seem to have reached a saturation point for the moment. Most such plants being discussed, are strictly as a first unit of what would become an entire plywood plant or those that are being considered by existing plants as a more economical measure rather than transporting logs for long distances.

MAJOR CHANGES during the year included the following: Weyerhaeuser Timber Co., purchase of H. A. Woodard Lumber Co., Cottage Grove, Ore.; St. Regis Paper Co., purchase of St. Paul & Tacoma Lumber Co., Tacoma, and Olympia, Wash.; Kalpine Plywood Co., Klamath Falls, Ore., sold to Klamath Hardwood, Inc.; Coquille Valley Lumber Co., lease-purchase of Milwaukie Plywood Corp., Milwaukie, Ore.; Plywood Products Corp. leasing of Marys Peak Veneer Co., Corvallis, Ore.; The Robert Dollar Co., Glendale, Ore., taking over veneer plant on their property, formerly leased by Multnomah Plywood Corp., Portland, Ore.; Western Battery Separator Co., Roseburg, name change to Webco Veneer Co.; Sonoma Plywood Corp., Sonoma, Calif., moving of glueup plant to Cloverdale, Calif., where it was combined with their veneer plant; Anacortes Veneer Co., Anacortes, Wash., reported purchase of Richmond Plywodo Corp., Ltd., Richmond, B. C.; West Coast Separator Co., Los Angeles, name change to Sunset Plywood Co.

SALES MOVE UP as the fir plywood industry marked up its 12th successive record year sales in meeting tough problems with imaginative answers. Cutbacks in production early in the year paced ahead again by May as orders increased. The first 19 weeks of the year ended with fir plywood production up an average of 9,000,000 sq ft. per week over the same period of 1956—a 9.3% increase.

This early performance was an omen for the rest of the year. Cumulative new orders for the year were up about 7% over 1956.

The complexion of 1957 was not completely rosy, however. Continuing a trend which has seen industry capacity

rise an average of 11% annually over the past decade, capacity jumped another 11% in 1957 to 6.65 billion square feet. In 1958, capacity will probably rise to approximately 6.9 billion feet. To narrow this 1.45 billion foot spread between production capacity and sales, the industry would have to show a 1958 sales increase of 29 million square feet per week over its sales record in 1957.

After the 19 week spurt which saw orders running 150 carloads per week over the same period of 1956, weekly new orders stayed in the 90 to 100 million square foot range for much of the year. The market snapped out of its seasonal slump during the week of September 14th when new orders reached an all-time high of 134,409,000 square feet for the week. Production for the same week was 111,794,000 feet.

With the exception of the vacation season, 1957 production held up over 100 million feet per week for the most part.

At mid-year, production was down to 92,146,000 feet or 74.5% of capaoity. New orders stood at 93,560,000 feet. At the end of the third quarter production was 113,-112,000 square feet, or 89.5% of capacity. New orders were 94,188,000 square feet.

THE TREND toward heavier production of unsanded grades continued in 1957. In 1950 unsanded panels accounted for only about 15% of the total production. Today, approximately 40% of all fir plywood made is sheathing.

Plywood's continuing strong growth factor is also emphasized by the per capita consumption which reached a new milestone in 1957. In 1946, per capita consumption was 10.0 square feet. Today, it is a panel per person—approximately 32 square feet.

Many economists see the latter half of 1958 as the beginning of a building upsurge. Since nearly 80% of all fir plywood produced goes into the construction in one form or another, this will be a significant trend for the plywood industry.

NEW HOME CONSTRUCTION is expected to be at about 1.1 million starts during 1958. Total volume: about $17.7 billion. Significantly, many of these homes will be larger, in the 3- to 4-bedroom category. Builders see increased new home starts as a certainty because of the home deficit which has been built up over the past two years but slower housing market. Next year will see the formation of 800,000 new families and the demolition of about 300,000 homes.

PUBLIC CONSTRUCTION, particularly the pace of school building is expected to continue. Approximately 1.2 million more children will be in public elementary and secondary schools than last year. In spite of the 69,000 classrooms added to the nation's school system in 1957-1958, a shortage of 155,000 classrooms will still exist.

After a slow start, highway construction momentum is picking up and this should pour approximately $5.5 billion into the public construction picture in 1958. This highway program forms a vast potential for plywood signs and concrete form work.

MODERNIZATION requirements are estimated to be from $23 billion to $32 billion. Millions of homes, stores, offices and industrial plants are obsolete. The repair, maintenance, remodeling, and additions to these existing units will make the modernization category the biggest slice of the entire construction market.

Although expansion of industrial facilities may have reached a plateau, this market should total approximately $16 billion in 1958. The Government predicts that this will be the biggest church building year in history, with a 13% increase over 1957.

WESTERN SOFTWOOD PLYWOOD PLANTS

Year	Wash.	Ore.	Cal.	B.C.	Ida.	Mon.	Alas.	Alb.	Tot.
1936	18	3	2	3					26
1937	19	4	2	3					28
1938	19	4	2	3					28
1939	20	4	2	3					29
1940	19	9	2	3					33
1941	19	10	2	4					35
1942	22	10	2	5					39
1943	22	10	2	5					39
1944	22	10	2	5					39
1945	22	11	2	5					40
1946	22	11	2	5					40
1947	21	13	5	5					44
1948	24	13	6	5					48
1949	31	20	9	5					65
1950	34	25	12	6					77
1951	37	34	14	7					92
1952	36	39	18	8	1				102
1953	37	42	18	8	1		1		107
1954	36	46	17	9	1		1		110
1955	37	54	20	10	1	1	1		124
1956	35	64	22	12	1	1	1	1	137
1957	34	65	22	13	1	1	1	1	138

DOUGLAS FIR PLYWOOD PRODUCTION 1934 — 1957

In Million Square Feet — 3/8-inch — 3-Ply

1934	384	1946	1,395
1935	480	1947	1,630
1936	700	1948	1,871
1937	725	1949	1,889
1938	650	1950	2,554
1939	950	1951	2,866
1940	1,200	1952	3,049
1941	1,620	1953	3,670
1942	1,782	1954	3,903
1943	1,430	1955	5,075
1944	1,440	1956	5,240
1945	1,200	1957	5,450

Million square feet: pine 125; spruce, hemlock, larch, true firs, 169; redwood 5.8, cedar 3.5. Total western states softwood 5.75 billion, plus 288 million hardwood, 6.04 billion total. British Columbia's 775 million brings total softwood to 6.53 billion. Plus B. C.'s 31 million feet of hardwood: grand total 6.8 billion square feet of plywood produced in the western area during 1957.

INDUSTRIAL USES are an important factor in plywood sales today. Plywood goes into industrial uses such as railway cars and truck linings, signs, pallets, commercial refrigeration units, crates, boxes, mock-ups and furniture. For example, one railroad is presently using almost a half million square feet of fir plywood to reline several hundred boxcars in an upgrading program. A California firm will use over 350,000 square feet of fir plywood for the construction of refrigerated walk-in boxes this year.

MORTGAGE MONEY is expected to further loosen up in the money market beginning early in 1958 with a resulting easement among the big mortgage lenders. Industrial expansion will not require as much money as it has in the past, and new sources of capital should increase the available supply.

Looking at the total potential for 1958, it is reasonable to assume that sales should continue upward. In addition, history indicates that new uses trend will raise the consumption of plywood an average of about 2% per year. Many of these new uses, including component construction are described in this issue.

BRITISH COLUMBIA fir plywood industry produced an estimated 775,000,000 square feet during 1957, (3/8-inch basis) a decline of 7% from the previous year.

As in previous years, the majority of British Columbia fir plywood (which totals more than 90% of all plywood manufactured in Canada) was marketed within the country. The balance was exported principally to the United Kingdom.

All B. C. fir and western softwood plywoods are bonded with waterproof glue, which simplifies marketing and promotion.

The Plywood Manufacturers Association of B. C., which represents all Canadian fir plywood mills, continued to expand both in staff and in activity during 1957. The London, England offices were bolstered by the addition of a second engineer and an advertising and publicity specialist.

New field offices planned in 1956 were opened during the year under review in Winnipeg, London, Ontario, and Toronto. A technical development department was set up in the head office, at Vancouver.

During the latter part of this year the British Columbia plywood industry felt the effects of "insurance buying" by dealers who earlier had built up inventories in anticipation of a possible strike by millworkers in June, decrease in house building, brought about by tight-money policies, and a general easing of Canada's major construction boom.

Cutbacks in production were put into effect by most producers as the year-end neared. The seasonal cutback in the construction industry was also felt, although efforts of the Department of Labor to combat winter construction slowdowns were expected to provide some relief.

Promotional activity of the Association, in general, was concentrated on the specifier.

A large volume of new literature was produced, including packages of "How To" plans for newspaper, both in French and English; TV films, handbooks, technical data sheets and exhibits in major fairs.

The rigid frame building method—clear span structures using fir plywood gussets and lumber members—developed by Association engineers last year was well-received through the country and will be intensively promoted in the future.

The field staff was active in building code work with gains recorded in some areas hitherto regarded as restrictive to plywood use.

MANY PROBLEMS are ahead for the fir plywood industry, as it turns toward 1958. Even the anticipated increase in plywood demand will probably not be enough to keep the industry working at full capacity throughout the year.

However, plywood's constant search for new markets and its efforts to protect present markets by strict quality supervision of the products, are factors which will help the manufacturers keep up to their pace of production and sales.

ESTIMATED SPECIAL PRODUCTS ANNUAL SHIPMENTS—1957

Total	101,717,328
High Density	15,183,372
Medium Density	19,930,200
Plyron	7,705,212
T 1-11	19,941,948
Brushed, Embossed, Striated	38,956,596

M. C. Skelton, owner, Skelton Logging Co., Eureka, California

"T5X Motor Oil...keeps costs down"

"Using T5X Motor Oil helps keep our engine maintenance costs way down.

"Last year our fleet of 25 logging trucks operated a total of 406,560 miles on every kind of road during an 11-month period. And, inasmuch as we seldom do more than four major overhauls a year, we figure the average interval is somewhere between 95 and 100 thousand miles.

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"Fir plywood must go to markets in new sizes, shapes and forms if sales are to continue up," says W. E. Difford.

The Outlook for Fir Plywood

By W. E. DIFFORD, managing director
Douglas Fir Plywood Association

Fir plywood must go to market in new sizes, shapes and forms if it is to continue setting new sales records in the coming years. Plywood's growth over the past half century has been the result of pioneering in many fields. The industry's future development depends on more and more of this pioneering.

The stakes of the next few years are high. Economists tell us we will have 60 to 75 million more people by 1975. The building activity of these years will dwarf anything seen thus far. Our industry must keep moving to stay in the mainstream of building trends which are now developing.

"We Must Develop Components"

When this boom starts, houses must be built quickly, but quality construction will be demanded. Builders are already seeking component construction parts which do not have to be sawed, fitted and nailed on the job. Components will speed construction time and cut costs. The vast potential in components for the plywood industry is that the entire shell of a house can be fabricated from plywood components such as wall and roof sections, box beams, and stress skin panels.

This is an important and growing trend and we as an industry should help develop it. We should encourage the establishment of local fabricators in major marketing areas. Our industry should help them get into business, help them keep their construction quality high, and back them with every medium of sales promotion at our command.

The emergence of local fabricators, manufacturing fir plywood components, will creat a new high volume market for fir plywood. These fabricators will require cut-to-size panels, and our industry should be prepared to provide them.

"Use Western Hardwoods"

In another area, we should go after the huge interior paneling market. Fir plywood panels with surface plys of western hardwoods such as madrona, walnut, myrtle and oak can be highly decorative and competitive. Other combinations of fir plywood with special overlays such as fiberglas-plastic look promising. Along the same lines, experimental work is now going on to make the resin overlays available in several colors. We should also encourage the concept of prefinishing, which eliminates on-the-job painting.

"The Exterior Glue Line"

Further, the industry should give consideration to an all-exterior glueline. Switching to one glueline will open up another vast market — the farm field. Many price-conscious farmers have bought interior panels for exterior uses, and many customers have been lost. One glueline would help re-open this almost unexploited field for plywood.

"Consider Joining Forces"

Then, as a positive move to head off competition from the metal industries, plywood should consider joining forces with other elements of the forest product fields such as particle board and hardboard manufacturers. These industries could benefit from our experience in quality control and marketing, and we could benefit from their cooperation.

Program for 1958

In 1958, we at the DFPA will actively promote plywood's use in these categories:

Light construction: We will encourage the establishment of local component fabricators, and generally attempt to increase the total average footage per house. New techniques in siding will bring about greater use of fir plywood for exterior coverings.

Lumber dealers: The DFPA will make news by a cooperative effort with the Lumber Dealers Research Council (Lu-Re-Co) and National Plan Service. Under this program, ten fresh new Chris Choate plywood home designs, furnished by DFPA, will be merchandised to Lu-Re-Co lumber dealers and small builders. Complete construction plans as well as point of purchase tools will be made available to develop home sales from designs to the finished product.

Farm Promotion: We will tailor our efforts in this field to exploiting actual plywood demonstration farm structures such as the Max Bailey life-cycle hog production buildings. We will promote C-C exterior as an all-purpose building material for pole barn roofs and farm structures.

Industrial Field: A substantial area of plywood promotion will be geared to this area, which provides a buffer against the ups and downs of the building industry.

The industry's quality control and testing program will continue as a basic theme in all DFPA promotion with a view to maintaining customer acceptance of grade-trademarked fir plywood as a high quality engineered building material.

COMPONENTS offer major opportunities

Component construction—in which parts of homes are prebuilt and trucked to the site to be erected—is emerging more and more as an integral part of the home building field. Since fir plywood is used in all types of components, this is a significant trend for the plywood industry.

Component building is becoming more widespread, partially due to the increased speed and quality of the method and partially due to the growing shortage of skilled craftsmen in the labor market.

Many builders believe that it will be impossible to meet the predicted 1960's home building demand with conventional piece-by-piece building methods. Component building is believed to be the only way that home construction needs can be met. Many imaginative structural components such as stressed skin panels, box beams, subflooring and sheathing are being made of fir plywood.

PLANNING 3-way tie-up between Lumber Dealers Research Council, Douglas Fir Plywood Association and National Plan Service for 10 new Chris Choate, Lu-Re-Co homes: L to R: A. J. Coorens, manager, architectural dept., National Plan Service; Walter Widmeyer, DFPA staff architect; Chris Choate, A.I.A., designer of homes; Howard J. Uebelhack, vice-pres., National Plan Service; Dan B. Sedgwick, DFPA merchandising director and coordinator of the joint program.

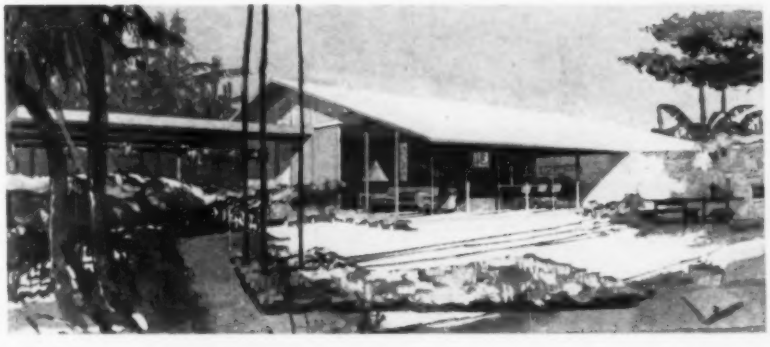
Lu-Re-Co Makes Important Progress in Component Home Designs

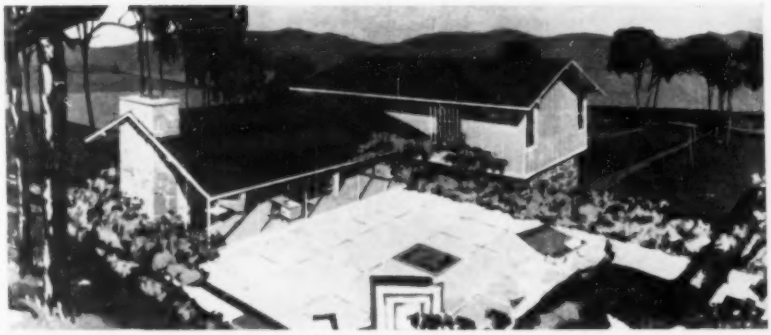
Three national organizations in the home building field will launch a joint program in 1958 with important implications for the plywood industry.

Lumber Dealers Research Council and Douglas Fir Plywood Association, better known as Lu-Re-Co and DFPA, will join with the National Plan Service to introduce 10 fresh new home designs. The homes will be backed with a strong national sales promotion and merchandising effort.

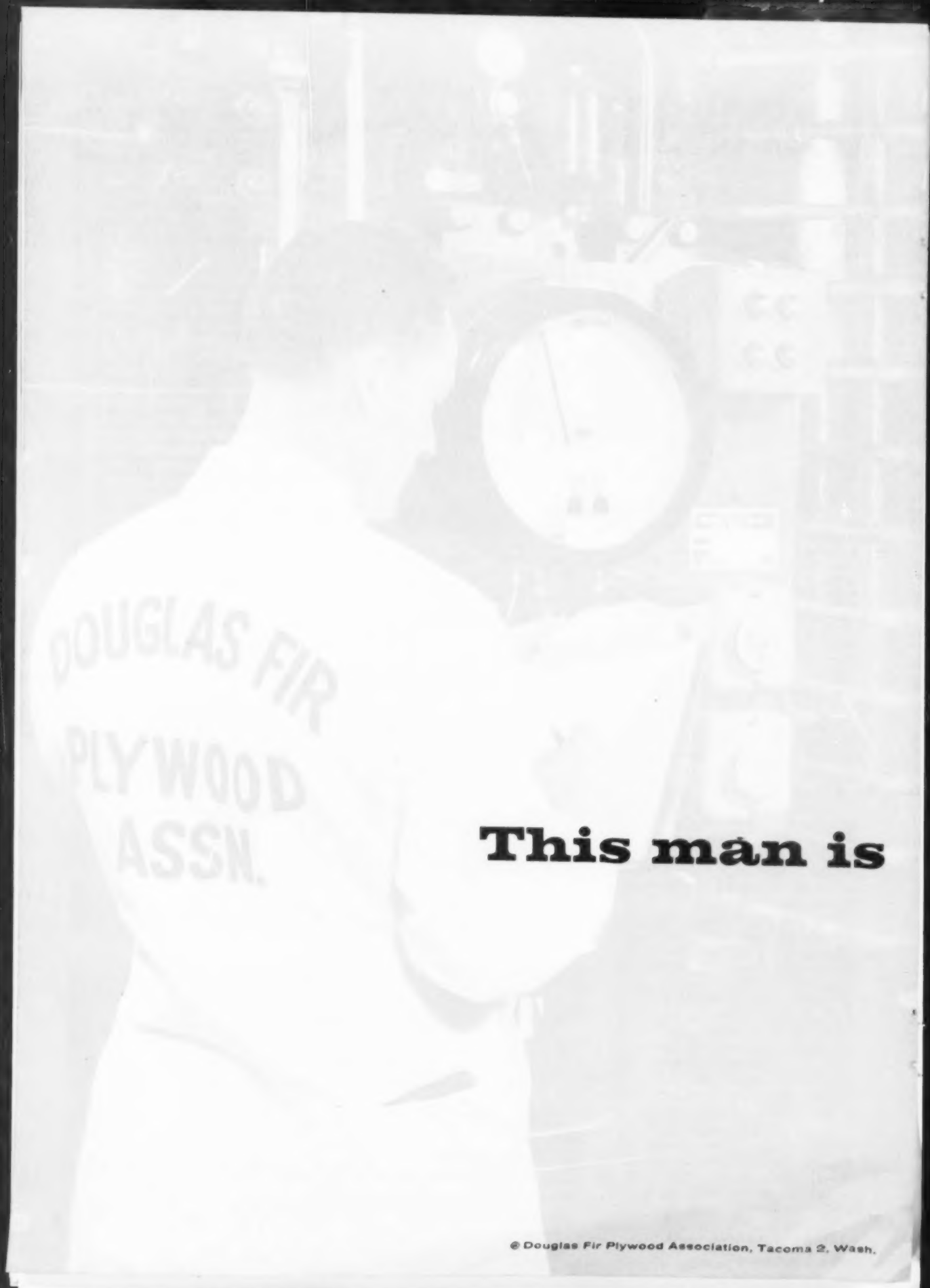
The new home design came from the drawing board of Chris Choate, prominent California architect. They have been adapted to Lu-Re-Co home construction system, which is keyed to building components based on 4-inch module. Lu-Re-Co homes are merchandised and constructed by over 12,000 member lumber dealers in all parts of the country. National Plan Service will publish the plans that lumber dealers use for construction of the Lu-Re-Co houses.

The cooperative component system was developed by Illinois Small Homes Council under a contract with Lu-Re-Co to provide the retailer with a competitive tool to meet big volume custom builders.





TWO of 10 Chris Choate designed Lu-Re-Co. homes of plywood to be merchandised through dealers. Top is "Wakefield" model and lower is "Wheaton" model home.



This man is

© Douglas Fir Plywood Association, Tacoma 2, Wash.

doing a big job for you ...but he's on our payroll!

He's one of 24 DFPA Quality Supervisors who give real meaning to the DFPA trademark. Make sure it's on every panel you buy.

At every stage of production—lathe . . . drier . . . veneer grading belt . . . glue mixer . . . spreader . . . press . . . and finishing department—trained Douglas Fir Plywood Association quality supervisors check to make sure all plywood which bears DFPA grade-trademarks measures up to rigid DFPA-Industry standards. This work is backed by continuous testing of samples in three DFPA quality control laboratories.

Without the DFPA trademark can you be sure plywood you buy gets this kind of inspection?

Over 90 per cent of all Douglas fir and Western softwood plywood bears these quality trademarks. That's why it's wise to buy only from reliable mills which give you the positive assurance of quality in the form of DFPA grade-trademarks on *every panel.*

The concept is based on pre-cutting and pre-assembling house parts to reduce building costs and simplify and speed the job of framing. On-site construction is a matter of assembling parts instead of pieces. The wall panels and roof trusses having already been made up and in stock by the dealer. The dealer provides detailed plans and engineering drawings for each house.

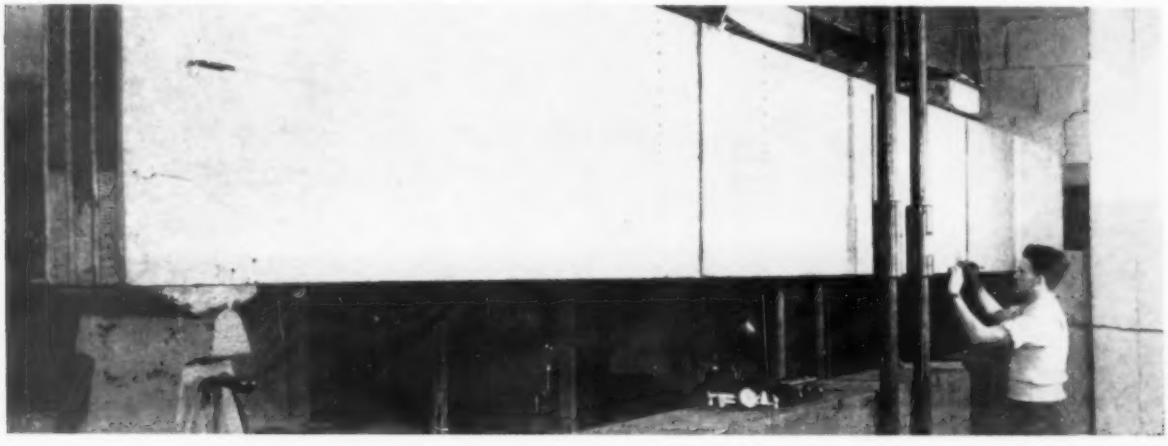
The system is based on 4-inch module. Exterior wall panels, usually fir plywood, are 4x8 feet. Standard Lu-Re-Co panel has three studs spaced 24" o. c. with single 2x4 top and bottom plates. Where two panels are joined, the adjoining studs form, in effect, a 4x4 post. A continuous header of 2x6s which runs on the wall panels around the house perimeter, combines these "posts" to provide a rigid structure.

Cost savings of from 25% to 30% are realized over conventional construction. There is an over-all cost reduction of about 7% for wall framing and sheathing on an average 1,000 square foot house. No expensive tools or machinery are needed for panel construction since the jigs cost less than $50.

The program is intended to provide both Lu-Re-Co and other lumber dealers everything it takes to realize a bigger share of the construction dollar in 1958. The 10 new designs were developed by DFPA with view to providing dealers with the merchandising and sales tools needed to develop the sale of a home and materials needed from planning to finished house.

The 10 Choate designs selected are styled with an oriental touch, some small and some executive level. Some are strikingly contemporary but provide for a wide range of tastes reflected by buyers of both modern and traditional styles. The Douglas fir plywood association will provide merchandising tools for dealers to promote the Choate designs.

Box Beams Offer Strength, Lightweight, Striking Appearance . . .



LOAD-TESTING a box beam in DFPA laboratory. Tests made by engineering and research personnel have resulted in DFPA lab reports being sent to architects and engineers throughout the country. Interest and inquiries have been intense for design assistance and beam information.

A most significant development in building component field is the recent revival of the plywood box beam—with an unlimited potential for increased plywood demand. DFPA field representatives report dozens of important applications either in design or construction stage.

The beams are one or more vertical plywood webs with lumber flanges fastened to the top and bottom edges and vertical lumber stiffners at intervals along the beam. A lightweight, non-corrosive structural component, the beam is easily fabricated and lends itself to immediate use in residential construction.

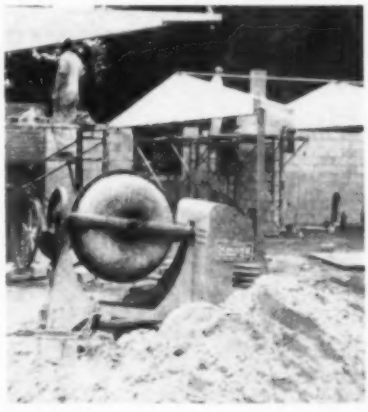
Comparable in strength to steel, box beams can be fabricated for spans up to 100 feet. They may be engineered to any length to carry any load over any span, and eliminate expansion and contraction problems.

Plywood box beams allow freedom of design and may be fitted to the structure. Cambered or curved shapes are easily obtained and the clean, functional lines make desirable looking interiors.

Long, deep girders can be made from standard plywood panels and readily available small seasoned lumber. The smooth surfaces are clean and sanitary. Little maintenance is required and they do not shrink or twist in place. A high strength-weight ratio is developed. The deep sections possible with plywood beams are light, but unusually strong and rigid.

Although beams are considered new, by many architects and contractors, they have been familiar to DFPA technical department for 15 years. The association's research and engineering laboratory conducted tests on sample beams in 1943, and their laboratory reports issued in 1947 and 1952 have been instrumental in bringing the box beams to attention of architects and engineers.

One limiting factor that has slowed the beam "boom" has been the fact that they must be fabricated under controlled conditions to assure consistent construction quality. However, several fabricators in major marketing centers are interested in the potential of the beam and some plywood manufacturers are investigating possibilities of mass fabrication.



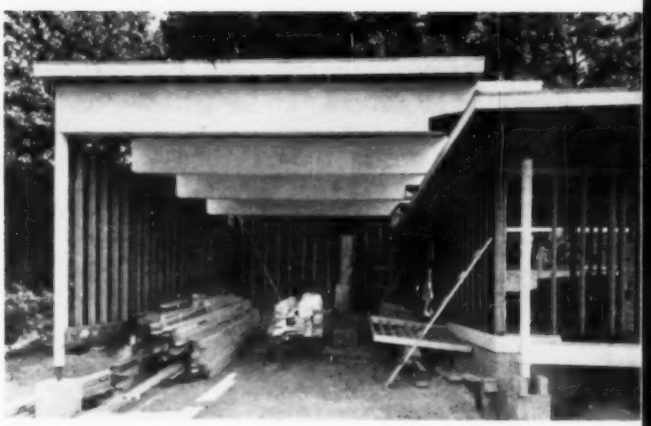
PEAKED box beams being lowered into place for Detroit County Day School.

BOX BEAMS, STRIKING FEATURE

Fabrication of fir plywood box beams resulted in savings of 40% over other types of beams in construction of Grace Baptist Church in Detroit, Mich.

The five exposed beams are one of the most striking features of the new church, fabricated on the job site by contractor Sigurd Johnson. Beams are 39 feet long, 22-inches deep and were erected eight feet on center.

Plywood webs were glued and nailed to flanges. Flanges were two 2x6s and a center 2x9. Fir plywood webs were scarfed-jointed ¾" PlyShield. Stiffeners were 2x6s with 4-foot spacing. Splice plates were double thickness of ¾" plywood. Design load was 370-lbs. per lineal foot. Beams held 2x6 rafters covered with ⅜" PlyScord roof decking. Finish was glaze blond. Architect was Berj Tashjian, A.I.A.



LIKES FREEDOM OF BEAM DESIGN

Because of their adaptability and freedom of design, a Pittsburgh, Penn., architect has specified fir plywood box beams for two residences he recently designed.

Most of the beams used in architect Tasso Katselas' houses span 26 feet. They are "3-ply", beams with three plywood webs nailed and glued to 2x6 flanges. Exterior-type ½" fir plywood was used for webs.

Stiffeners were 2x6s spaced 20-inches o. c. The beams are two feet deep, fabricated on the site. A total of 11 plywood box beams were used in the two residences.

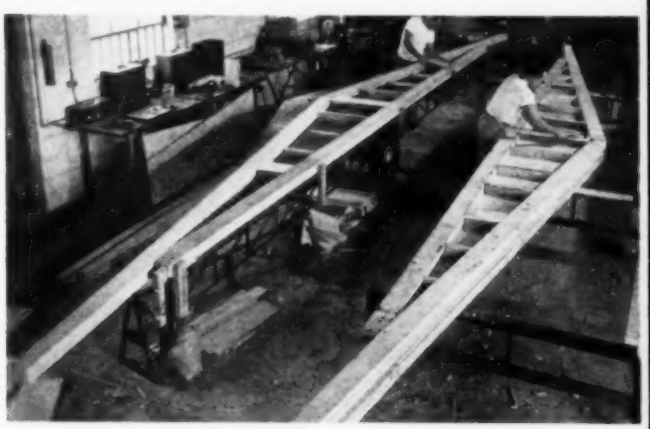
Architect Katselas is enthusiastic about plywood beams and plans continued use in both residential and commercial design. Besides freedom of design, Katselas also noted the low cost and light weight advantages of the beams.

BOX BEAM—2.4.1 SYSTEM

Custom builder of $40,000 - $50,000 homes, Robert Kronenberg, Hinsdale, Ill., uses combination of fir plywood box beams and 2.4.1 combination subflooring-underlayment flooring, following the trend in fine homes toward more open construction calling for longer clear spans.

He fabricates the beams, using ¾" plywood for webs and 2x4s for flanges, both gluing and nailing the beams. When set in foundations, beams are 4-feet o. c. to provide a grid for the thick 2.4.1 panels.

Kronenberg's direct costs for beams he fabricates are about 75c per lineal foot. Over-all cost of beams with 2.4.1 is slightly above conventional flooring, but Kronenberg feels the results are the more important factor.

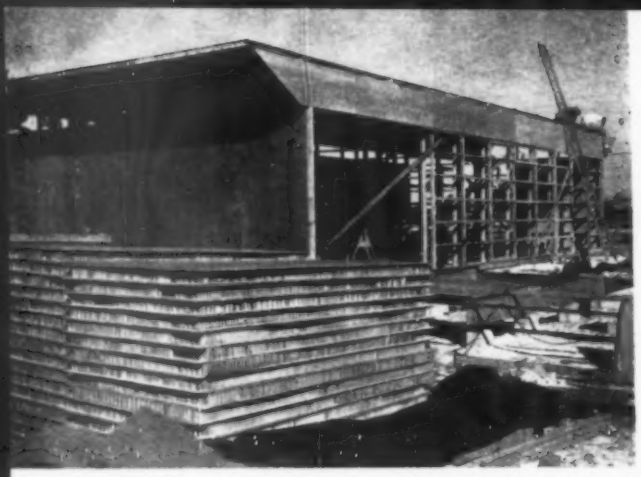


28-FOOT BOX BEAMS FOR SCHOOL

Five peaked plywood box beams with 28-foot spans provide a striking feature of the Detroit Country Day School in Detroit, Mich. They were designed by the Campbell Engineering of Detroit, and fabricated by Laco, Inc., of Centerline, Mich.

Beams are 10 inches deep at the ends and 36 inches deep at the 2x6 flanges. Stiffeners are 2x4s, two feet o. c.

The beams span the girl's classroom unit at the Day School. Upper flanges are extended for overhand of the eave. All beams were left exposed and painted. Designers and fabricators were pleased with the flexibility of design which fabrication makes possible.



HONEYCOMB sandwich, fir plywood panels & box beams give unusual strength combination. Embossed plywood used on many walls & floors.

COMBINING STRUCTURAL COMPONENTS

A recently completed Sarasota, Fla., home, designed by Paul Rudolph for Mr. & Mrs. Joseph Hayes uses plywood box beams and sandwich floor, roof and wall panels made up of plywood skins glued to a paper honeycomb core.

Both floor and roof girders are plywood box beams, fabricated by Monostructure, Inc., Sarasota. The webs are ¼" thick. Thinner plywood could be used as beams as they have 3½" honeycomb paper core and 3½ x 4" wooden top and bottom flanges. Floor box beams are 1'; roof girders are 2' deep. Floor beams are 8' o. c. and rest on concrete piers. Roof beams are 12' o. c., butting against each other at right angles in the house center, using a nailed and glued male-female joint. Roof beams are tied with bolts.

PREFAB wall, roof and ceiling panels utilize paper honeycomb core for strength and insulation. Most panels have ¼" exterior fir plywood skins glued to 2⅝" honeycomb.

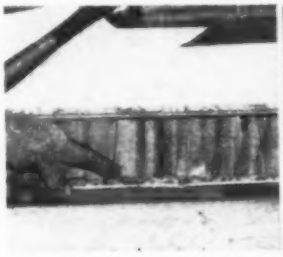
An intriguing effect was achieved by using embossed plywood as the exposed skin for wall and several floor panels. Floor panels are conventional 4x8' while ceiling panels are 4x16' to accommodate 12' spacing of ceiling

COMPONENTS

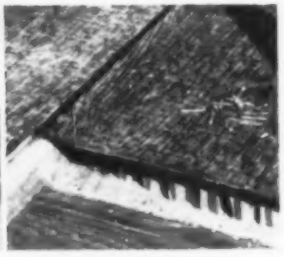
beams. Ceiling beams also form floor for the second story. They differ from main floor and wall panels in that they have three ¼" skins and two 3½" paper honeycomb cores. These panels provide even more rigidity and their increased thickness reduces sound transmission to the first floor.

Floors consisted of 15 panels, five 4x6' and 10 4x12', serving as subflooring and underlayment, nailed to beams along all joints. Top skin is ¾" and bottom skin ⅜". Ten 4x20' panels cover the roof; have ⅜" top and ¼" bottom skins.

INTERIOR of Florida home enhanced by effect of box beams. Exposed skin panels on ceiling is conventional A-C Exterior.



HONEYCOMB floor-ceiling panels go in place over box roof girders.



FLOOR PANELS have ¼" embossed top and ¼" bottom.

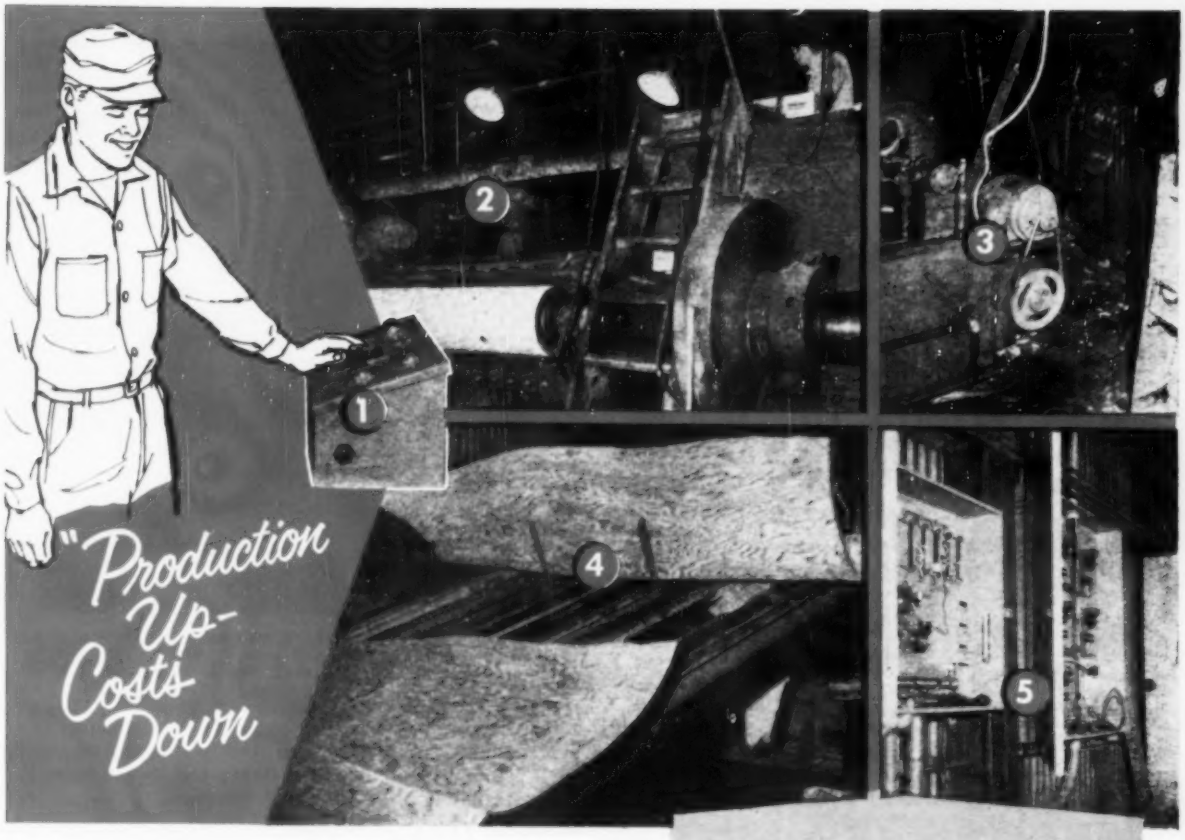
FIRST ALL STRESSED-SKIN HOME ERECTED IN 7½ HOURS BY 5 MEN

The first residence on record made entirely of stressed-skin fir plywood panels is the new Dungeness, Wash., home of Mr. & Mrs. Max Weinstein, designed by Architect Edward L. Cushman, Seattle, A.I.A.

Construction was simple, though so new as to be almost revolutionary. It employed the *Panelbild System* developed by designer Peter Bilder, Lynnwood, Wash. Key to system is stressed-skin panels, with 2 layers of fir plywood glued to framing members. Panels are used for floor, wall and roof, giving unusual combination of strength, size and savings.

Roof panels span 20' without framing. Speedy erection was possible as each part was ready to place, requiring no framing. The delivery truck was loaded so all components were stacked in reverse order of use, with floor panels on top, then wall and roof.

Exposed surfaces are Exterior (A-C); PlyScord on unexposed side with 1½" Fiberglass insulation and insulation and aluminum lining on inner side. Skins are glue-nailed to 2x4s.



. . . since Redco installation at our Centralia plant,"

says Supt. Elden Pilker

The increased production and reduced operating costs experienced by Centralia Plywood Company of Centralia, Washington are typical of the performance results delivered by Redco's new automatic tipple control. The system enables the lathe operator to control virtually all tray and tipple functions automatically.

Savings in manpower alone can add up to $5,000 per year per shift. Important increases in green veneer production are possible by complete automation of many time-consuming operations. Improved grade recovery can be achieved by allowing the operator to concentrate his undivided attention on peeling.

Important, too, is the fact that conversion to automatic tipple control on Centralia Plywood's steam driven lathe was accomplished over a week-end with no sacrifice in production. Existing tipple elevator, tray drives and signal lights were used in making the change-over.

Redco automatic tipple controls can be installed on Redco, or any other type of lathe drive equipment, at economical cost. A Redco representative will be happy to inspect your installation at no obligation and show you how automatic-tipple control can pay off in your plywood production picture. Write for complete information.

REDCO AUTOMATIC TIPPLE CONTROL AT CENTRALIA PLYWOOD FEATURES:

1. **Single control box at lathe operator's finger tips permits pre-selection of next tray and contains an action button to operate veneer breaker when automatic breaking is not required.**
2. **Signal lights in full view of lathe operator's position automatically indicate which trays are full, empty, or feeding the clipper.**
3. **Tachometer generator coupled to existing steam drive transmits signal to Redco follower control automatically synchronizing speed of trays to speed of lathe.**
4. **Breaker switch positioned near end of tray automatically activates veneer breaker arms capable of breaking up to ¼" veneer at speeds over 600 fpm.**
5. **Inside view of control panels shows simplified arrangement of circuits and components. Functional panel design and construction affords convenient service accessibility.**

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Log Carriage Drives — Set Works Controls — Remote Edger and Resaw Controls
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FARM markets for plywood

A Creative Use of Plywood for a Pig Production Plant

GROWING building has plywood pens constructed along lines of nursery building. Note plywood uses in ceiling, walls and pens. Air, light and heat are controlled. Exterior C-C plywood is used.

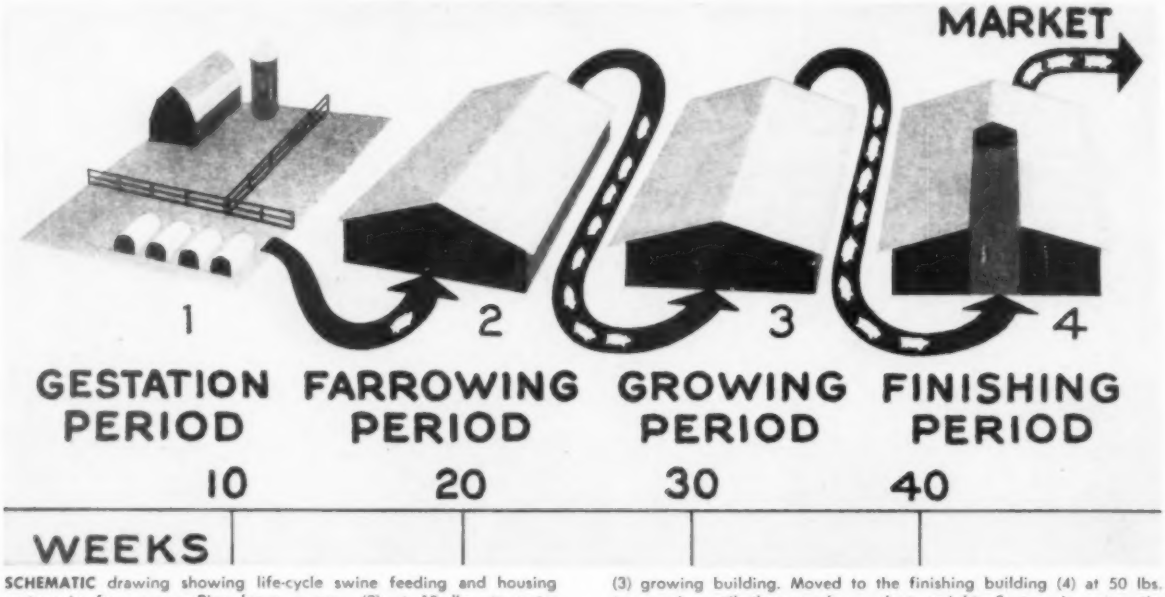
A mass production swine plant which can produce up to 2,400 hogs annually is now in operation at the Max Bailey farm near Ames, Iowa. The entire system is keyed to four sturdy fir plywood buildings.

Separating a pig's growing cycle into these separate buildings is an important feature of the "life-cycle" swine production concept which is in operation at the Bailey farm. This streamlined system for producing premium hogs is the concept of Iowa State College swine nutritionist, Dr. Damon Catron.

Catron emphasizes hog production with special nutritional and housing facilities. The modern "pig factory" can turn out pigs on an assembly line basis, avoiding usual spring and fall glut at the market by spreading marketing over the entire year.

Buildings on the Bailey farm were designed for pigs rather than for the people who take care of them. The structures are a quarter-mile apart to form a disease barrier. Construction costs were cut sharply by use of Exterior-type fir plywood, grade C-C. Over 43,000 sq. ft. of fir plywood were used in the four buildings. The structures were a cooperative project built by Bailey and the Douglas Fir Plywood Association.

THE NURSERY building where sows are moved when ready for farrowing, is 28'x96'. The structure is lined inside and out with ⅜" Exterior fir plywood, and has 32 farrowing stalls. Ceilings and walls are tightly insulated. A 150,000 b. t. u. boiler provides hot water for the circuits in the radiant heat floor. Ventilation is controlled to provide a constant tempera-



SCHEMATIC drawing showing life-cycle swine feeding and housing system in four areas: Pigs leave nursery (2) at 10 lbs. to enter (3) growing building. Moved to the finishing building (4) at 50 lbs. to remain until they reach market weight. System is automatic.

ture. The farrowing stalls, also made of plywood, are laid out on each side of a center alley.

GROWING BUILDINGS become the home of 10 pound pigs. Two 28'x 104' buildings are alternated to reduce the danger of disease. Except for arrangement of the growing pens, construction and air conditioning equipment is similar to that of the nursery. The floor slopes both ways from the alley toward 3-foot dunging alleys. Pigs are actually "house-broken" to the dunging alleys in a short time. Pens are closed off from the alleys so they can be easily cleaned.

FINISHING building is 176'x56'. Here pigs are housed from 50 pounds until ready for market. The 20 pens are arranged along 6-foot dunging alleys which also serve as a chute for transferring the pigs from the pens. Manure is cleaned with a small tractor with a scraper blade. Augers carry blended feed from bulk storage unit to the pens. Since this is a less critical stage in the "life cycle" process, no artificial heat is needed.

Rigidity was one of the main reasons for using plywood. Also interiors have to be dismantled nine times yearly for steam cleaning and complete disinfecting. Plywood panels are numbered, and may be removed and replaced easily and quickly.

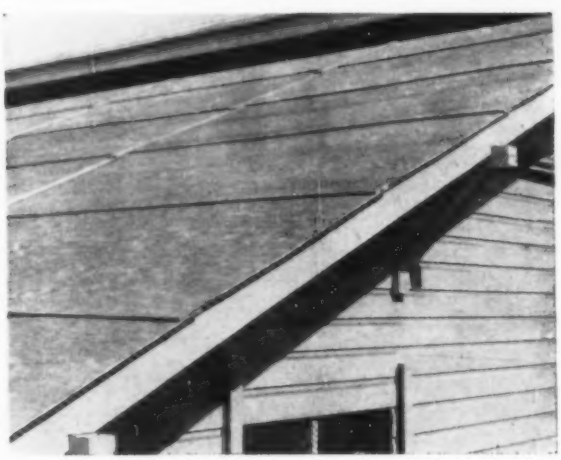
DFPA promotion representatives in eight midwest states will make a special program this next spring and early summer to exploit the Catron system and the plywood buildings, telling the full story of farm use for C-C Exterior.

NURSERY building has no windows except for two small openings. The walls and roof are of ⅜" plywood. Building has concrete, radiant-heated floor-slab for winter warmth.

GROWING building houses the pigs from 10- to 15 lbs. Here pigs are "housebroken". Floor slopes both ways for ease in cleaning. Air and heat are both controlled at this stage.

LARGEST structure is the plywood finishing building which houses up to 900 pigs. The 50 lb. pigs enter at one end of the building and move from pen to pen as they gain.

A UNIQUE PANEL-SHINGLED ROOF



A Puyallup, Wash., poultry raiser has constructed two poultry houses using a roof system involving full-size fir plywood panels. Lapped like giant shingles, they require no other type of covering or preservative. Two laborers were required to construct the buildings and owner Henry Fors estimates he saved $80 per house over alternate roofing methods.

The 40x100' buildings are on concrete foundations. Roof supports are 2x6 rafters, 24" o. c. Rafters are supported by 4x4" posts spaced 8' o. c.

The roof has a 4 in 12 slope with plywood covering of ⅜" PlyScord with exterior glue. Plywood was applied in successive courses, with long length running across roof supports. Short ends were simply butted. Edges overlapped 4". Butt joints coincide in all courses with slight opening left to provide for expansion and contraction. Non-drying mastic was laid at overlap. Shingle shims were placed at butt joints on the rafters to provide solid nailing base. Butt joints are covered with 3-inch plywood battens, which were broken at the plywood edges. Battens are lapped in the same manner to fit the panel laps.

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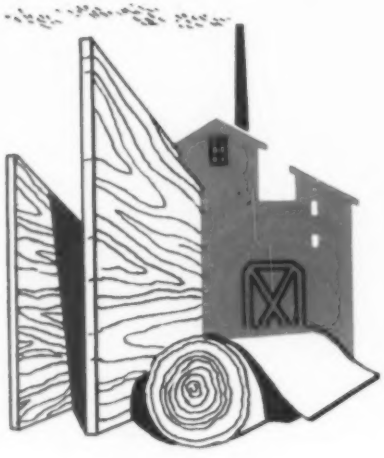
ASSURING
UNIFORM THICKNESS • FLAT PANELS • LOW MOISTURE CONTENT



Douglas Fir Products

INTERIOR • EXTERIOR

SPECIALTY ITEMS

Texture 1-11	Scarfed Panels
2.4.1	Knotty Pine
V-Groove	Knotty Cedar

HARDWOOD PRODUCTS

BIRCH
RED OAK
MAPLE

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Marine Mahogany
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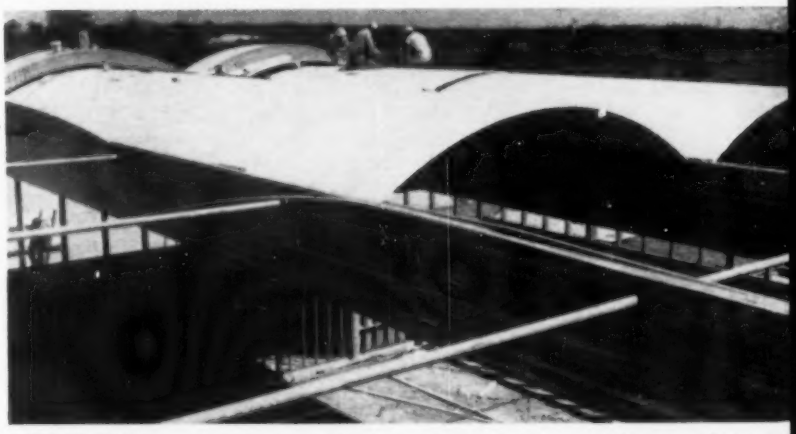
STRUCTURAL

Fresh Roof Designs Offer New Markets for Plywood

Plywood shapes such as domes, arches, barrel vaults and folded plates are going atop a growing number of structures. Flexibility of plywood and imaginative research are making possible these new markets. Well-known uses of plywood . . . wall sheathing, roof decking, subflooring, underlayment, concrete forming and interior panels supplement the new structural applications.



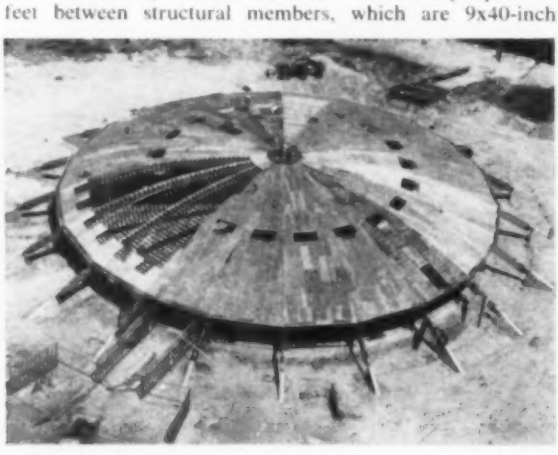
PLYWOOD VAULTS on gymnasium are 17 feet long, 4 feet wide, and span 16 feet. In preliminary te by the DFPA, a prototype panel vault withstood pressures up to four times the design lo

New School Roofs Depend on Plywood

Probably the best example of imaginative plywood school construction to date is the H. F. Hunter Junior High School at Tacoma, Wash. From its mushroom-shaped cafeteria dome to the arched panel vaults which cover the gymnasium, it is an example of highly individualized plywood design. It was designed by Architect Robert Billsbrough Price of Tacoma.

Price believes the stressed-skin panel vaults which cover the school gym open the way for imaginative uses in many areas.

Vaults used at Tacoma were fabricated by Peter Bilder of *Panelbild* Systems, Edmonds, Wash. They span 16 feet between structural members, which are 9x40-inch glued-laminated beams. The vaults have a top skin of 5/16-inch scarf-jointed exterior fir plywood and a scarfed bottom skin of ¼-inch PlyShield with an A face down to form the ceiling of the gym. The core is ¾-inch honeycomb paper. The entire "sandwich" is fabricated with water-proof glue in a press using from 50 to 60 pounds pressure per square inch.



SAUCER-SHAPED DOME on cafeteria covers 144-foot span, has ½-inch PlyScord plywood roof decking over purlins.

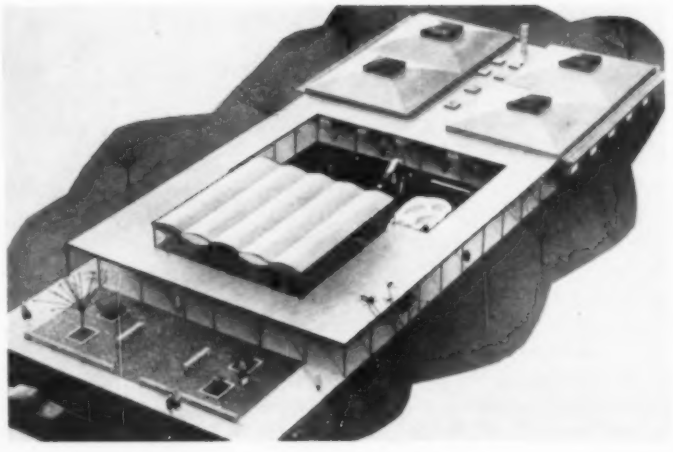
The panels are 17 feet long, 4 feet wide, with male and female edge joints. The vaults are nailed and glued into a beveled ridge in the glu-lam beam. Completed cost for the Tacoma roof was about $1.10 per square foot.

School board officials required a structural test before allowing the unusual arched vaults to be included in specifications for the school. Tested prototype panels easily held 7500 pounds of bricks, a load of 120 per square inch over the whole span, or four times the design load.

The saucer-shaped dome which houses the school cafeteria is one of the most eye-catching features of the school. It covers a 144-foot span with 20 bays formed by huge curved 7x26-inch glue-laminated beams. Purlins between the beams are 4x8's, 3x8's and 2x8's, depending on the area of arc spanned. For example, 4x8's are used for the wide span at the perimeter of the circle, 2x8's at the peak.

Purlins are covered with ½-inch PlyScord, sawed to accommodate the sweep of the dome as it narrows toward the peak. An opening was left in each bay for the skylights. Cost of this roof was 15 cents per square foot.

Several thousand square feet of ½-inch PlyScord was applied over 2x8 roof joists, 16 inches on center in the main classroom units. In-place cost was 12 cents per square foot. Large quantities of Texture One-Eleven were used both for exterior siding and interior paneling.

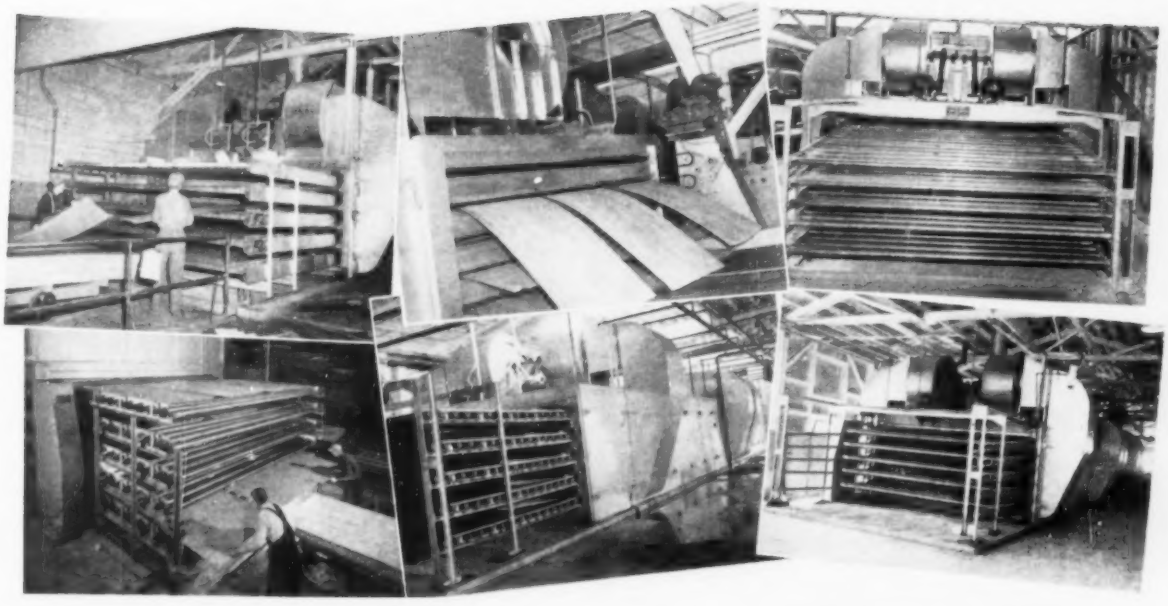


IMAGINATIVE DESIGN with fir plywood is shown in school model at right. Arched stressed-skin vault, foreground, spans gymnasium. Vauted roof sections in the background are dome-like roof shells formed by four converging arches of double thickness of ⅜-inch fir plywood stressed into a four-sided, semi-dome shape. The dome is framed at the lower edges with plywood box beams and joined at converging ridge lines with a glu-lam structural members. All framing except for light stiffeners and laminated arches at the four diagonals are eliminated. Insulation, acoustical properties and lighting can be incorporated into the dome, also.

FOLDED PLATE DIAPHRAGM roof utilizes diaphragm strength of ¾-inch fir plywood in which the two plywood diaphragms are pitted against each other. It has an accordion effect with two tilted plans leaning against each other, each supporting the other. Framing can be very light as tie rods transfer lateral loads to the foundation. A 50-foot span can be framed with 4x14 roof rafters placed four feet apart without other heavy supports. Rafters no heavier than 4x6 could be used for 30-foot spans.

VAULTED ROOF CONSTRUCTION is as adaptable to homes as to school and commercial structures, as shown in the home below which was designed by architect Sam B. Short and erected in Louisiana. The roof consist of two panels of ¾-inch fir plywood glued to a 2-inch thick fiberglas core. Roof sections are applied over framing which consists of 3x6-inch steel H columns and nailable ribs. The plywood vaults span 10½ feet. Use of the vaults allowed Short to stay within a modest budget, yet provide a unique structure. Interior walls utilize ¼-inch plywood.

PLYWOOD MUSIC SHELL in Sydney, Australia, includes a system of acoustic reflectors to direct and control sound waves. The reflectors are 4 feet wide, 20 feet high and are hinged to the side of the structure. The music shell, proper, is 32 feet high and 75 feet wide. Actually, there are two shells, the outer one of ⅜-inch marine plywood with 25x7-foot sheets, and the interior sheet designed solely for acoustic requirements and fabricated of 1-inch sheets, also 25x7 feet. The building was fabricated off-site and component parts moved to the construction site.



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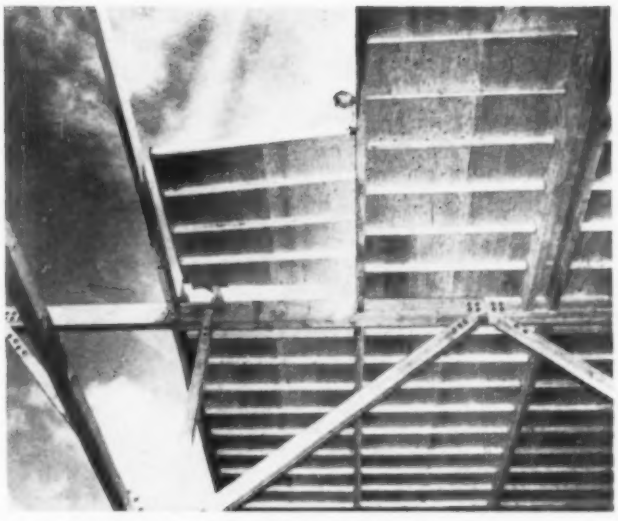
Panelized Roof System Saves Time and Money On Industrial Buildings



PREFABRICATED ROOF SECTION of 8x8-foot fir plywood is moved into place. Hanger on end of 2x4's fits over purlin.

A new panelized fir plywood roof system for industrial building which means savings in time and money has been developed by Berkeley Plywood Co., Oakland, Calif. To show the economy of the system, Berkeley cites a recent job in the northwest where the in-place cost was 36 cents per square foot.

The system is based on 8x8-foot panels of 3/7-inch C-D fir plywood sheathing with an exterior glue line.

On the recent northwest job for Fibreboard Products Co., Sumner, Wash., Berkeley assumed the entire roof job except for the strap and pin trusses and finished composition roofing.

Trusses spaced 40-feet apart span the 300-foot square building in three sections; two 94 feet long and one 112 feet long. Top chords are 6x10 and 6x8 Douglas fir sawn timbers, the lower chords are glue-laminated. This roof utilized 20-foot 4x12's between trussed eight feet on center. The 4x12 purlin runs at right angles to the trusses and 2x4 stiffeners, and prefabricated panels run parallel to the trusses.

Berkeley assembled the roof sections at the job site. Two 4x8-foot panels were joined on a jib with a 5⅛x3-inch Plycleat fastened with Phillips head screws. Face grain ran perpendicular to stiffeners.

Also on the prefabrication line, each 8x8-foot panel was stiffened with 2x4's spaced 24 inches on center. Metal hangers were pre-installed on the ground to suspend the 2x4's from the purlins. Hangers were secured by nailing through the plywood and the hanger and into the purlin.

The panels were hoisted to the 40-foot high roof by a conveyor. They were secured with 8d Berkeley plywood nails on spacings of 4 to 6 inches on panel perimeters and 12 inches at intermediate points. The nails are especially designed for plywood use with barbed shanks, oversize counter-sunk heads and length to suit the thickness of plywood.

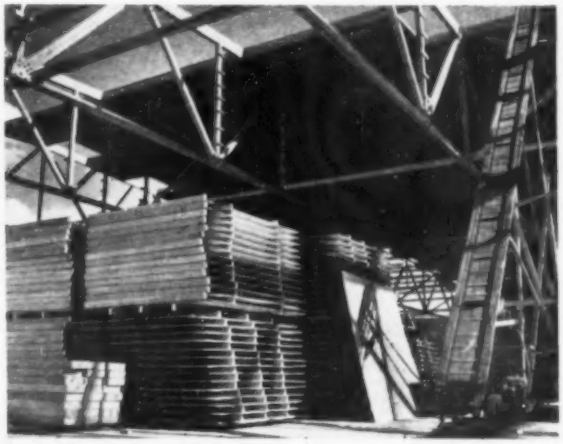
Berkeley, incidentally, is going in for more off-trail thicknesses of fir plywood to meet particular job requirements, rather than take the job to the thickness available.

The panels on the Fibreboard job were laid with the C face down, since it was to be the finished ceiling of the structure.

The Fibreboard job required 3046 plywood panels. A crew of three men worked a total of 260 man-days on the job, including prefabbing time.

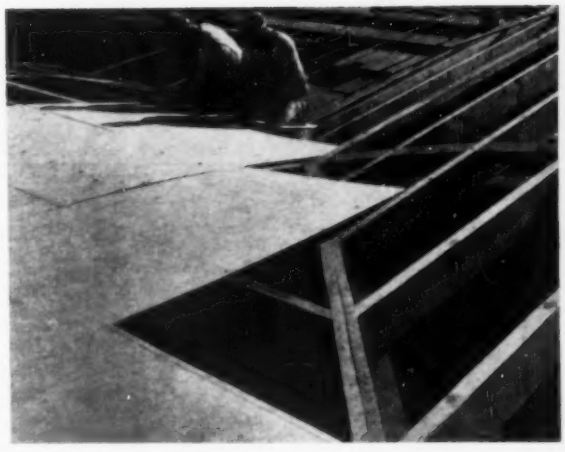
Under the leadership of its president, Warner E. Odenthal, Berkeley Plywood has become a leading West Coast operator in plywood engineering and installation service. It has expanded its operation as far east as Kansas City. Odenthal has developed a highly efficient distribution by the simple method of convincing West Coast architects and engineers that they should specify plywood for the roof decks of large structures, such as schools and warehouses. The company then bids on selling the plywood, in-place on the job.

TWO 4x8-FOOT PANELS are made up into the key 8x8-foot unit, are stiffened with 2x4 and metal hangers nailed to end of 2x4.



STACK OF PANELS, assembled on jigs at jobsite, await use. Conveyor will lift the panels to the roof for installation.

DOME TYPE CONSTRUCTION using plywood has reduced construction costs for Purity Stores, Inc., northern California, and has provided a rounded store that has become a Purity trademark. A recent store measured 120x170 feet. The perimeter was flat-roofed, sheathed with ⅝-inch PlyForm reused from the poured 8-inch concrete walls. The 74-foot-square central area is covered with a four-way dome. Each of the four glazed exposures has a 12-foot rise with the flat portion of the roof. Risers were formed of 14-inch, 43-pound wide flanged sections supported on four steel columns. Diagonal arches are of 14-inch, 73-pound wide flange section, triple hinged to permit flexing in two right angle planes. Half-inch AD plywood was nailed to ⅜-inch wood joists on 24-inch centers over curved portions. The A face was left exposed to serve as the finished ceiling after painting.



SPRAYED PLYWOOD ROOFS offer economical construction and a broader plywood market. The idea involves elimination of the conventional three or five ply built up roof in favor of a fir plywood decking spray-coated with a flexible compound. An exterior PlyScord plywood roof deck is applied, using ⅜- or ¾-inch panels. Joints are sprayed or brushed with the compound, taped, then the entire surface is sprayed. The material is flexible so that joints will not leak. Each step can follow one upon the other without delays for drying.

PLYWOOD IGLOO, or geodesic dome, is a new inexpensive structure utilizing plywood. Fir plywood is formed into a hemispheric shape by bolting corners together in a pre-arranged lapped pattern. Plywood serves as a structural grid and surface skin. The unit pictured here contains 2000 square feet, was erected in 24 hours.

DIAPHRAGM STRENGTH was secured on the roof of the factory shown below by using ¾-inch plywood panels on a 4x4-foot grid of timbers and spaces. Steel trusses, assembled and bolted on the job site, supported the lumber and plywood roof. Timbers formed top chords of trusses. Column spacing for roof construction was 40x40-foot bays. Intermediate trusses transformed framing to 20x40-foot sections. These sections were 4x12-inch timbers with 3x4-inch spacers on 4-foot centers to provide the 4x4-foot grid. Fabrication was accomplished on the ground just below the ultimate position in the roof, no cutting was required at the roof level.

PREFABS . . . a growing plywood user

NATIONAL HOMES PREFAB HOUSES are offered in 56 different models with a choice of over 600 exterior designs. Cost is $6000 to $40,000.

Prefabrication, a building industry which has depended on plywood since its infancy . . . and still does . . . is widening its applications. Originally for home building, prefabs are now moving into commercial fields with a rush . . . stores, churches and larger buildings. In fact, the U. S. is even prefabricating fir plywood buildings near the north and south poles.

3000 Square Feet per Prefab House

In producing an annual average of 20,000 prefab homes, National Homes Corp. consumes 60 million square feet of fir plywood. That's 3000 square feet a unit and a sizable plywood market.

Two-thirds of each National home, including entire wall, ceiling and roof sections, are prefabricated in the factory and shipped out to builder-dealers to be completed at the site.

The firm finds many uses for plywood in this activity.

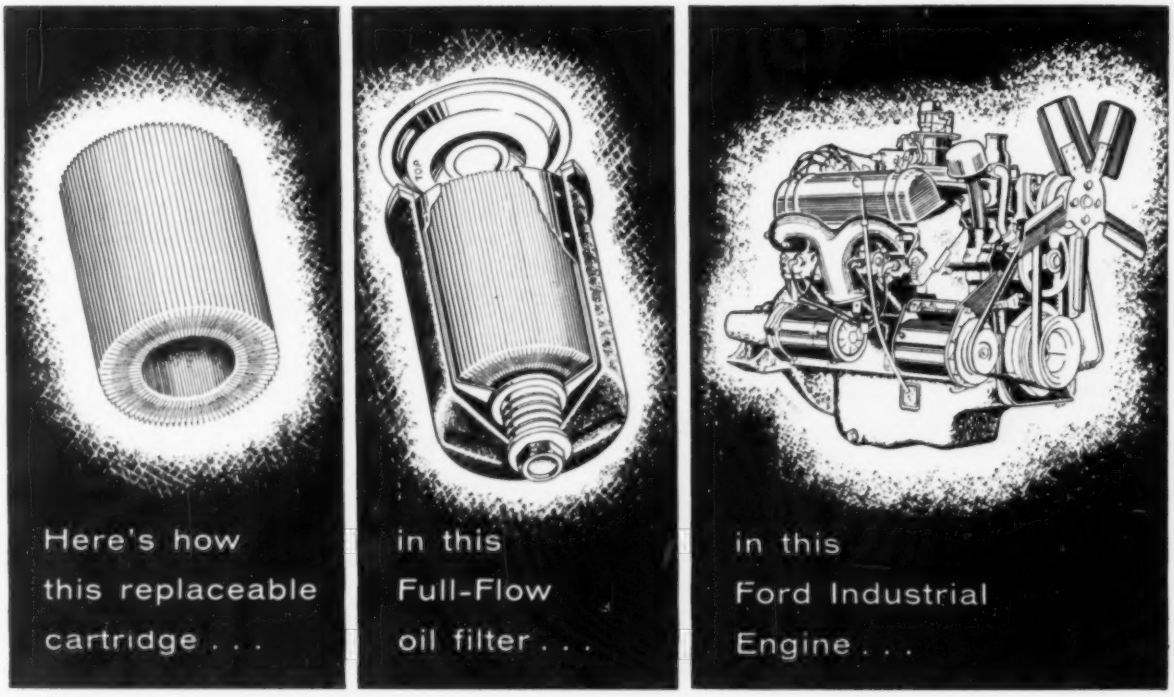
- Exterior wall panel sections are 5/16-inch PlyScord, glued and nailed to framing members. PlyScord sheathing is also used for roof sections.

- On some models, builders are using 5/8-inch exterior type fir plywood as a combined sheathing-siding. They sand and groove the plywood four or five inches on-center to give a Texture One-Eleven effect. This type of panel accounts for 6 million square feet of National's fir plywood usage each year.

- If the model is erected on a wood floor or has a basement plan, 5/8-inch PlyScord is generally specified for subflooring. The convenience of handling large 4x8-foot panels in this application is a bonus feature.

- Stressed-skin panels with plywood sheets glued to framing members are used for several of the 56 models. It's a good market for plywood; also, it's a good move by NHC which admits that the use of plywood saves more than $700,000 yearly.

ASSEMBLY LINE is used in production of National Homes. This turntable provides quick turnover for plywood panels midway along assembly line. There are 22 lines in the plant.



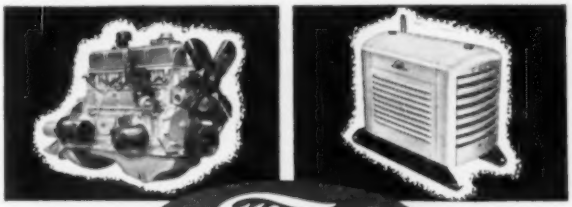
Lengthens piston and bearing life... reduces engine wear up to 66%!

In a Ford Industrial Engine, *every* drop of oil is filtered *every* time around! Harmful dirt and engine deposits are trapped, retained and removed completely when the replaceable cartridge is changed. This is how a Ford Full-Flow filter provides cleaner oil in bearings and on cylinder-wall surfaces . . . reduces engine wear up to 66% more than ordinary filters.

But this is just one of the many reasons Ford Industrial Engines hold up better, last longer.

Only Ford, for example, gives you the economy of short-stroke design and the efficiency of overhead-valve construction in every gasoline engine. Rotating valves with self-cleaning action minimize warpage and sticking to assure better valve seating. Rigid deep-block construction gives greater bearing support which results in longer bearing life.

And Ford offers a complete line of four, six and V-8 cylinder engines. Displacements range from 134-cu. in. to a mighty 332-cu. in.—including the new super-efficient 220-cu. in. diesel. All are available as engine assemblies or complete power units . . . and at traditionally low Ford prices!



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LAYOUT OF COMPONENTS for typical prefabricated fir plywood panel used to push motel construction are shown at left. Plywood panel eliminates need for fire-stop, blocking and diagonal bracing on shear walls. Below is installation of panels on building.

Construction Time Halved

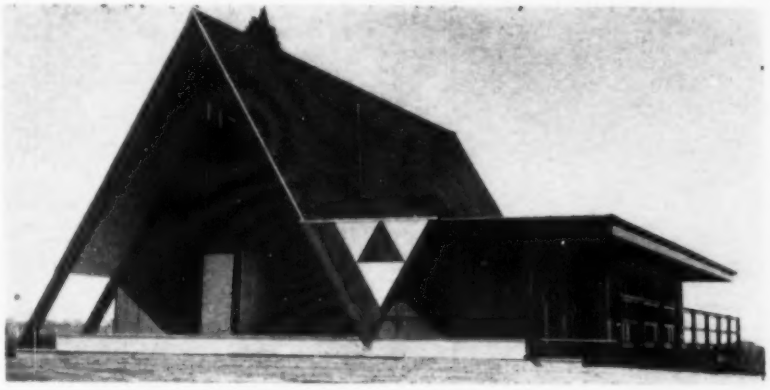
Fir plywood components fitted into a modular construction system allowed a California contractor to erect a 42-room addition to the Flamingo Motor Lodge in Palo Alto in half the time originally figured.

Prefabricated panels were assembled off the job site while foundations and concrete slab floors were going in. Two basic types of panels were made in jigs: one with 2x4-inch studs on 16-inch centers for shear walls and another with door and window. Panels were erected by truck-mounted boom, secured with steel tie-downs at the base of the panel.

All panels used have this in common: ½-inch exterior fir plywood on one side for exterior use or foundation for stucco, sheetrock, redwood rustic or quarry stone. Second floor decking is ⅝-inch PlyScord over 2x8's on 16-inch centers. Roof decking and ceiling combined is ⅜-inch PlyScord on 2x6-inch rafters, 16 inches on center.

Deepfreeze

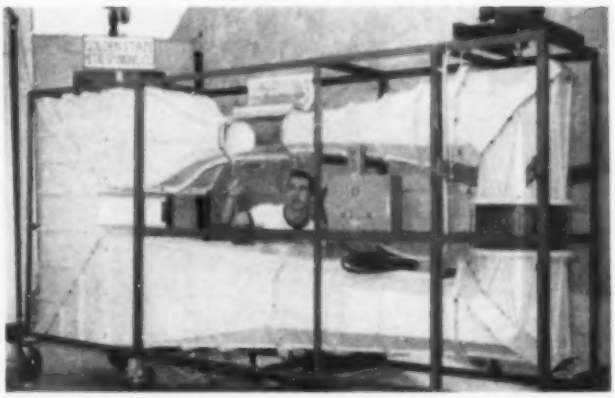
Fir plywood used in operation Deepfreeze at the South Pole is a stressed-skin panel faced with aluminum and lined with fiberglas insulation in the states before it is flown south. The plywood panels utilize ¼-inch exterior panels for both skins of the wall and roof panels, with a ⅜-inch top skin and ¼-inch bottom skin on floor panels. Panel edges contain a groove in which a spline and gasket fit.



Reduces Church Costs

Creative Buildings, Inc., Urbana, Ill., has created a panelized prefabrication system of church construction, typical of which is the "A" chapel above. Trusses are fastened at these extremities by split-ring connectors, 2x4 framing is fastened to the truss and 4x8 fir plywood panels bolted to the framing. Module in the churches is always the 4x8-foot plywood panel: roof panels are fashioned from light framing members and skins of ⅜- or ½-inch PlyScord, flooring is ⅝-inch plywood sheathing. In some cases, an underlayment of ¼-inch plywood is used. Texture One-Eleven or medium density overlay, can be used as exterior siding. Two 32-foot trucks will haul everything needed for the chapel to the job site.

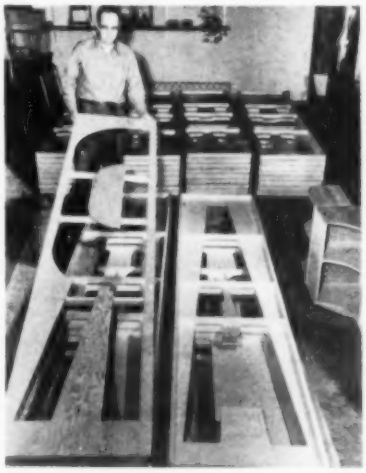
PLYWOOD PALLETS are one of the many industrial uses for plywood which have helped to absorb a record production when housing starts fell off. Here they are used to hold formed bricks while they are cured in steam room. Only preparation on pallets were painting of edges to seal them.



WIND TUNNEL built of plywood served as model for classroom instruction and laboratory tests. It is of ¼-inch AA exterior fir plywood. A full size wind tunnel utilizing ¾-inch exterior fir plywood is planned by West Coast Research Co., Los Angeles.

PLYWOOD CRATES for storage of household goods are gaining in popularity. They put storage on a cubic-foot rather than square-foot basis. The most popular size is 5 x 7 x 7 feet. Construction is 1-inch plywood braced with 2-inch lumber with edges metal-clad.

CUTOUT LETTERS of plywood are manufactured by Momen Woodcraft Corp., St. Paul, Minn., for the state highway department. The firm uses 2 x 9-foot, ⅜-inch PlyShield panels. The smooth top faces make paint easily removable.



REFRIGERATION BOX is constructed entirely of plywood except for steel and glass facing. The manufacturer of the box, Coberly Industries, uses over 350,000 square feet of Fir plywood a year. The boxes are built much like houses with wallstuds, floor joists and roof rafters. Sections are in easy-to-handle panels based on the dimensions of 4 x 8 plywood panels. Units are two boxes-in-one as walls and ceilings float. Of the 12 surfaces in a box, 11 are of fir plywood.

Interior of a Coberly food walk-in box shows how clerk can load display sections from rear. Plywood used is ⅜-inch A-C for interiors and A-D for exteriors. Exterior - type plywood is used inside and interior outside, the opposite of a house.

How USS GERRARD STEEL STRAPPING *Saves Money* from mill to job site

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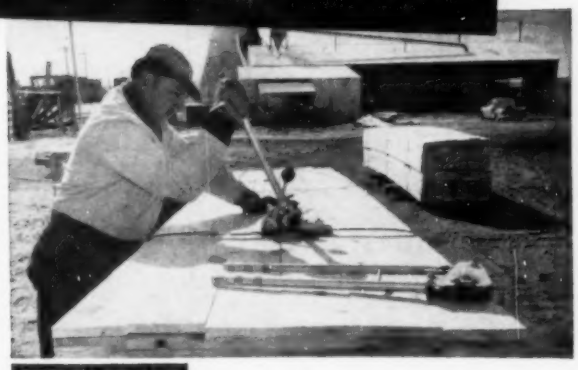

WHOLESALE—Receiving GERRARD-strapped lumber from the mill makes unloading and stacking an easy job. The stacks can be tabulated at a glance, and arranged according to grades, sizes and varieties. In loading for shipment, the same time-saving advantages are experienced again. Thus, the valuable time saved can be devoted to transporting payloads.

RETAIL—At the retail yard, tabulation of deliveries is once again a simple task. Loading, unloading, and moving bundles of lumber reinforced with GERRARD Steel Strapping is accomplished quickly and easily with a straddle truck or fork lift, and the savings in money and time is once again repeated. Different grades, sizes and varieties are stacked separately for display, and accessibility to customers.

JOB SITE—At the job site, packaged lumber can be dropped from a truck bed without the individual boards spilling in all directions—a procedure which would necessitate repiling. Moreover, packages of USS GERRARD-strapped lumber are virtually pilfer-proof—a very desirable feature at building sites where lumber shortages are prevalent.

You, too, can receive the time- and money-saving advantages that USS GERRARD has to offer. Contact a USS GERRARD sales representative, and let him show you just how GERRARD Steel Strapping will fit into your lumber-handling operation.

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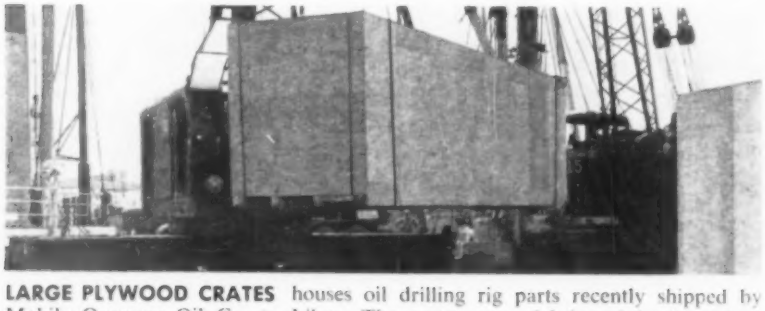
Numerous new industrial uses of fir plywood are helping to sell a record production in the face of a soft housing market. Significant gains in plywood's use in construction of pallets is a major gain in the industrial market. Containers for everything from stored household goods to drilling rigs for shipment to foreign markets are also a growing market. Fir plywood continues to prove a very successful material for relining box cars and has found a new use in highway sign preparation . . . serving as the stencil for lettering.

PALLETS of ¾-inch fir plywood are light in weight, easy to handle. When placed on roller "dolly" they are easily moved. Use of wooden blocks to space the pallets eliminates the need of pipe legs.

BOX CAR INTERIOR up-grading is accomplished economically by relining with ¼-inch fir plywood panels applied over the old linings with staples. In the first phase of such a job, Southern Pacific Co. is using almost 300,000 square feet of fir plywood to reline 400 cars at Oakland and Roseville, Calif. Smooth, clean interiors are being secured.

TRUCK RACKS on delivery trucks of a Chicago bakery have speeded deliveries, increased load capacity by one-third and has just about eliminated damage. The storage rack "bins" are constructed of ⅜-inch fir plywood, held in place by angle irons. Bread that goes into the storage bins is packed in cardboard tubes to keep it warm.



LARGE PLYWOOD CRATES houses oil drilling rig parts recently shipped by Mobile Overseas Oil Co. to Libya. The crates were fabricated by Lee Construction Co., Houston, Texas of ¾-inch PlyScord fir plywood using exterior glue. The largest crates used were 32x9x8 feet. With the use of the 4x8-foot panel size, labor costs were considerably reduced on the project with less handling required. About two weeks were required to complete the crating job in the Houston shipping yard.

FIELD BOXES of fir plywood are used in orange groves in DeLeon Springs, Fla. The boxes use ¼-inch plywood on sides and ends, ⅜-inch on bottoms.

. . . One call for all . . .

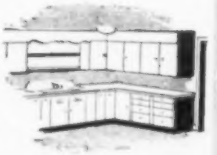
THREE WONDERFUL PRODUCTS

NEW!

FROM SCIENCE . . . THE GREATEST ADVANCE IN THE WOOD INDUSTRY IN 20 YEARS!

Par-TILE® FLOORING TILE

A durable, mar-resistant flooring tile which takes a beautiful gloss, the natural wood particles making an attractive pattern. Possesses the best characteristics of cork but takes a finer finish and will not wear out. For finer flooring, Par-TILE gives you both beauty and permanence.



Par-WOOD® INTERIOR

UNBEATABLE FOR UNDERLAYMENT

Par-TEX and Par-WOOD are the most versatile building materials in the world today. Used for underlayment, they do *not* ripple or telegraph through linoleum, tile, carpeting or other floor coverings.

Par-WOOD is used as the core for furniture tops, for drawer and fine cabinet construction, doors and sliding panels, as well as for interior panels, drainboards and underlayment. Does not telegraph through plastics, veneers or other laminated surfaces.

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PACQUA DIVISION

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- Par-TILE
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- PINE
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Fast, Dependable Service

Guaranteed Quality

Mixed Car Shipments

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. . . here used as siding for the exterior of our home office, is moisture resistant and takes a fine finish . . . will give you rugged service, fine styling, when used for siding, billboards and outdoor signs . . . wherever you require Beauty with toughness and durability.

PLYWOOD SERVICE, INC.
P. O. Box 78, Dept. CDD, Dillard, Ore.

Please send me further detailed information on:

☐ Par-WOOD ☐ Par-TEX ☐ Par-TILE

Name _____ Title _____

Company _____

Address _____

City _____ Zone _____ State _____

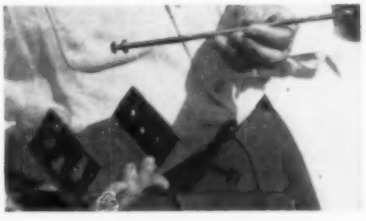
Attention Boss!: Sounds good—send!

New FORMING techniques spur form markets

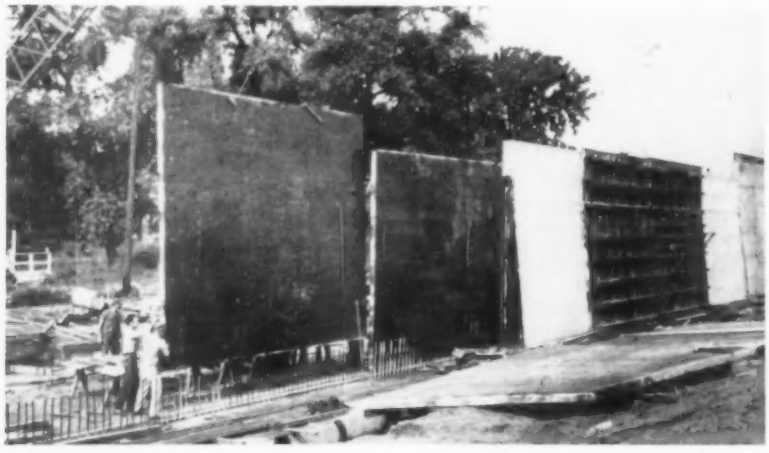
Imagination and ingenuity applied to the use of plywood for concrete forms has spured this market to consume 12% of fir plywood today. New highways and industrial construction will continue to increase opportunities for this young market if the plywood industry constantly searches for newer and faster forming methods and special techniques. Plywood panels go into place 25% faster than other forming methods and the panels may be reused many times or converted into such uses as subflooring and sheathing. Here are three unique techniques developed by users suggesting new opportunities:

1 Combination of steel junior I-beams, plywood concrete forms and cast iron clips open potential use of plywood forms in multi-story floor construction. Key to system is a 2-ounce "K Clip" that holds forms in place and may be knocked loose to free forms for reuse.

Developed by N.Y. engineer E.S. Klausner, it has been used on many buildings. Savings in time and material were estimated at $90,000 on one 12-story building; or about $1 per sq. ft. in concrete flooring. 2x8', 5/8-inch plywood is used.



2 New forming technique featuring one fastening device to hold the form tie and waler in place, developed by the Seattle, Wash., firm of Trueforms, Inc., has been used with good success. The contractors, Kuney and Johnson report the system makes forming easier, faster and forms are quickly stripped. The forms can be fabricated on the job site. Basic panel is 4x8' sheet of ¾" plywood with 2x4s nailed to it vertically. Small panel plates are screwed into the face of the plywood and nailed into sides of 2x4s. Form tie fits between the two panel plates where they meet at the edge of the panels. Plates have two small "button" studs which fit the tear-drop slots of a bracket. Bracket holds panel plates together and holds the tie and waler in place. It is leak-free system, gives smooth surface and perfect alignment. Above photo shows waler bracket and tie.



3 Forms up to 30' high and 20' wide are lifted into place by a crane on the construction of the 8-mile Calumet Skyway, expressway that ties Chicago, Ill., expressway traffic with Indiana Toll road. Plywood used is ¾" Interior type Ply-Form with reported 6 to 8 re-uses. Big panels are prefabricated on the job. Retaining walls and 1 mile of abutments use the plywood forms.

HOW CONDOR V-BELTS
give you "More Use per Dollar"
Straight Sidewalls, More Grip, Longer Life
Structurally Balanced for Smooth Running

These Smoother Running V-Belts Lower Your Operating Costs

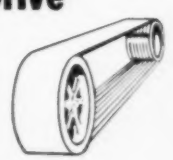
Condor V-Belt engineering makes the difference. The strength member is micro-positioned in heat dissipating rubber for a smoother running, cooler running drive . . . for longer life with the heaviest power loads. Condor V-Belt sidewalls are made *straight* to put positive pressure on the sheave grooves for more grip . . . less slip. Straight sidewalls help support the super-strength synthetic cords of the belt in a straight line so that *all* cords pull equally . . . deliver their maximum share of power. Controlled length is accomplished through prestretching during manufacture to remove inelastic stretch that might otherwise occur on the job.

NOW . . . Moisture-Proof Vacuum Packaging

R/M's exclusive new vacuum sealed moisture-proof packaging assures positive V-belt length control for users of longer lengths in C, D & E cross sections! Belts are measured at the factory under controlled humidity and identified for precise matching. They are then vacuum-sealed in moisture-proof aluminum lined bags. The result—no shrinkage or elongation in storage . . . sustained uniformity on the drive! Length is certified from the factory to the field.

R/M Poly-V* Drive

A New Belt Drive Concept For Heavy-Duty Power Transmission. Eliminates V-belt matching problems. Delivers up to 50% more power in the same space as regular V-belts or equal power in less space.



Write for copy of Poly-V Drive Bulletin #6638.

(*Poly-V is a registered Raybestos-Manhattan trademark)

RM-506-Q

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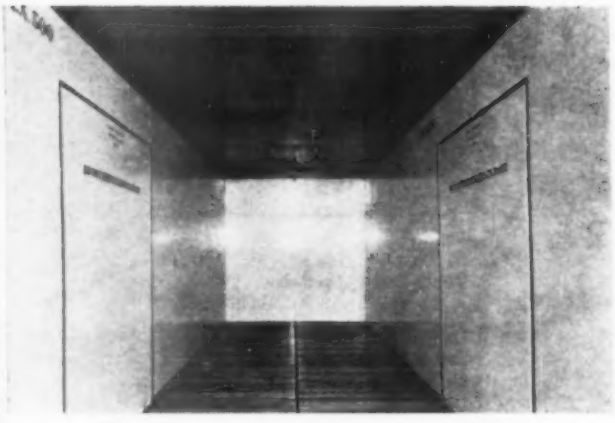
Other R/M products include: Industrial Rubber • Fan Belts • Radiator Hose • Brake Linings • Brake Blocks • Clutch Facings Asbestos Textiles • Packings • Engineered Plastic, and Sintered Metal Products • Laundry Pads and Covers • Bowling Balls

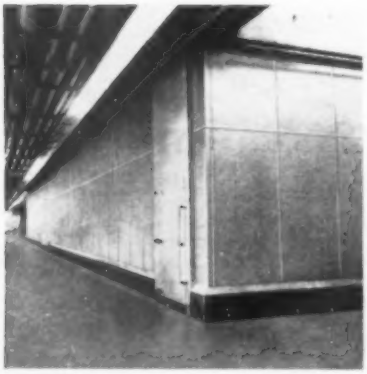
COMBINATION markets for plywood grow



FIGERGLAS PLASTIC overlay, called Compolay, over conventional fir plywood forms lining for mechanical refrigerator car built by Pacific Car & Foundry. Side lining is ½-inch fir plywood, end lining is 1-inch panel, both faced with Compolay.

STYROFOAM INSULATION in combination with fir plywood create highly-effective construction for commercial walk-in freezer. Insert shows close-up of Styrofoam-plywood which Dow Chemical Co. claims offers more insulation value than many other types of insulation.

CERAMIC TILE stuck to fir plywood forms creates unusual murals. The arty use of plywood was developed by Klee Wyk Museum, Nisqually, Wash. At the right, 6-inch tiles were used. Far right, ⅜-inch fir plywood served as base for mural on Seattle, Wash., apartment. Medium and high density overlaid fir plywood are used where premium bases are required. Otherwise, ⅝- and ¾-inch A-face panels work well.



METAL-CLAD plywood. Armorply by U. S. Plywood Corp., is used for the freezer storage room at the Anapolis Yacht Yard, Inc.

PORCELAIN-ENAMELED STEEL facing on plywood provides an outstanding exterior panel for commercial structures, such as theaters and stores. Pictured here is an application of Porc-Lin-Ply, a U. S. Plywood product. U. S. Plywood also produced this panel with a backing facing of aluminum.

Ask your plywood jobber how you can **Profit from this pair!**

Your Evaneer fir plywood jobber can now provide you with the beautiful and practical new line of Evanite hardboard. He can also show you the profit potential of both hardboard and fir plywood . . . give you the advantage of his ideas and experience . . . help you tap new and perhaps unsuspected markets.

Evanite hardboard comes in five interesting textures, and its applications are many and varied. Your plywood jobber can get both Evaneer plywood and Evanite hardboard in the same shipment, giving you the advantage of a wide selection to satisfy all of your customers. Take advantage of your jobber's stock, and his merchandising help, to reap the profit in this pair!

EVANS PRODUCTS COMPANY, DEPT. T-1, PLYMOUTH, MICH.
Plants at Coos Bay, Gold Beach, Corvallis and Roseburg, Oregon; Vancouver, B. C. **Evans Sales Offices:** Plymouth, Michigan; New York; Chicago; Tampa, Florida; Coos Bay, Oregon.

Evans is an associate member of the National Plywood Distributors Association

EVANS PLYWOOD AND HARDBOARD — *DFPA grade-marked for uniform quality*

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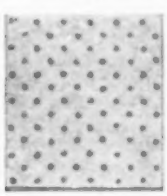
5 NEW BLOND EVANITE HARDBOARDS

SMOOTH-BORD

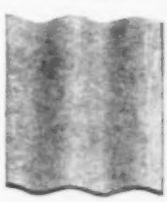
PERF-O-BORD



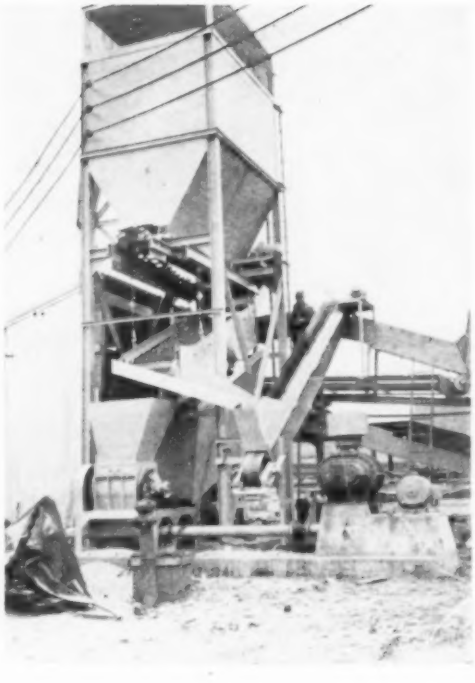
DECA-BORD

RIB-BORD

CORRU-BORD



RADER SOLVES CONVEYOR PROBLEMS



A Rader system can help *you* as it has

The Larson Lumber Company, Philomath, Ore.

The efficient chipping plant design (right) uses a windswept chipper to load a surge bin which meters chips to a screen, from which they drop into the feeder for the Rader high - pressure conveyor.

The Rader pipe line rises over the yard (upper right) on simple supports and goes 175 feet to the railroad siding.

There a Rader cross-car loader* (above) achieves maximum compaction in the open top cars used to transport the chips to a nearby pulp mill.

• • •

Over 80% of the high pressure pneumatic conveyors in the Northwest wood products industry are Rader systems . . . making Rader the standard for handling wood chips, bark, hog fuel, and other wood wastes.

• • •

For more information, contact the representative nearest you.

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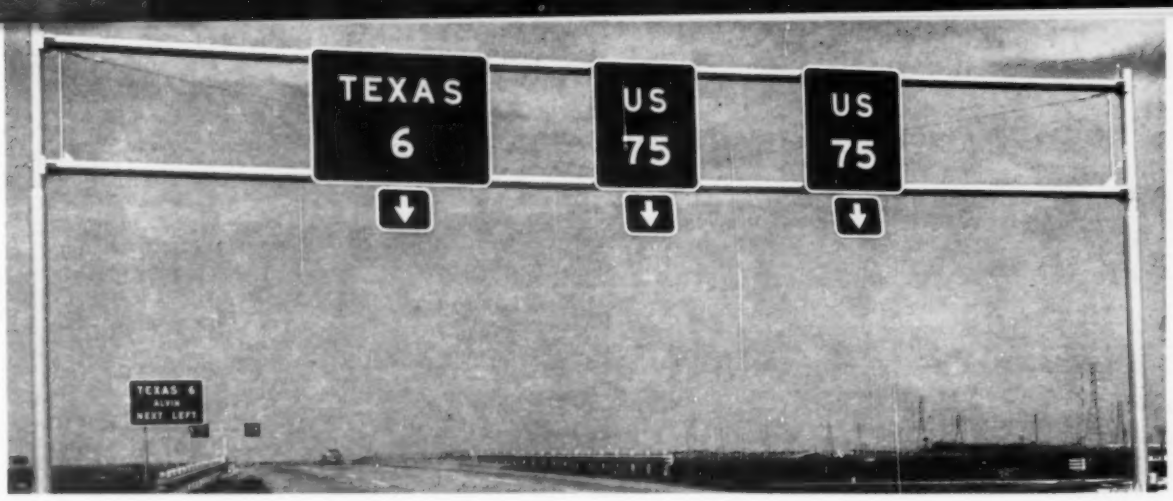
* U. S. Pat. #2,772,124



Active Promotion Opens Highway Sign Markets

A four-year old program to capture a large part of the huge highway sign market for the fir plywood industry is achieving definite results with overlaid fir plywood being sold in carload lots where it was not used before.

The tremendous scope of the Federal Aid Highway Act of 1956 is well known — expected total expenditures of approximately $100 billion; construction of two million highway signs, and a potential annual usage of 344,000,000 square feet of fir plywood over each of the next 13 years. What is not so well known is the fact that the long range efforts of the Douglas Fir Plywood Association's Special Products department are largely responsible for the strong position the plywood industry holds in the sign market today.

The years of spadework by the special products department, headed by John D. Ritchie, laid the foundation for present-day sales efforts by individual manufacturers to "get the order."

IN 1953, a full three years before the government's huge highway program was announced, Ritchie and his staff started extensive investigations of sign prospects in the Northwest. This program involved personal calls on State Highway departments in Oregon, Washington and Idaho, plus calls on county officials and sign shops. The objective was to learn the "sign language" and pass this information on to field representatives all over the country.

The calls uncovered the fact that plywood was beating an unwilling retreat in one of its most important industrial markets. At that time, metal signs were almost universally accepted as the most satisfactory base for the reflectorized sheeting which is used on 90% of all highway signs. Plywood, on the other hand, received a negative reaction from most sign shops, and especially from the influential reflective sheeting manufacturers.

The work was cut out for the special products department. Harry W. Berry had now joined Ritchie's staff. The two of them, along with DFPA field promotion representative Darwin Boblet, successfully demonstrated to the reflective sheeting makers that overlaid fir plywood was an excellent base for their material.

THEY BACKED up their demonstrations with data from several years of actual outdoor exposure tests. DFPA's technical department provided the "clincher" with a series of tests to demonstrate the resistance of plywood and overlaid plywood to vandalism, a highway department's biggest bugaboo. In these tests, overlaid plywood itself proved superior to competitive products in its resistance to flying missiles, knock-down impact, gun fire, bending and racking.

The complete report on the tests and painting recommendations were provided for DFPA field men and individual mill representatives. This material provided the basis for the beginning of an effective sales campaign.

Meanwhile, the field department began an extensive survey of 350 miles of the Pennsylvania Turnpike to determine the plywood potential which might be expected in this type of highway construction. They investigated the potential of signs, plus concrete form work and all other plywood uses that go into a modern expressway. This added to the fund of knowledge which was to serve the industry well later on.

SPECIAL PRODUCTS representatives Harry Berry and Glen Face made personal calls on highway departments in every state in the fall of 1956. This resulted in a manual of highway sign statistics which is recognized as the sign "Bible" of the plywood industry. There are three pages of descriptive copy for each state, giving the potential present use of plywood, competitive materials used, immediate and long range plans, fabrication methods, and the key official responsible for sign specifications.

In each state, the special products representative and the field promotion man in the area made the calls together, establishing a permanent contact which could be followed up.

As a result of these calls, a complete portfolio of plywood sign information was published by the special products department, mailed to a thousand key state officials, and made available to DFPA member mills.

THE ASSOCIATION began advertising to sign specifiers in earnest in 1957 and plans to double the campaign in 1958. Plywood manufacturers, particularly those in the overlay field, are also advertising and are helping to make a large impact on the sign market. More mill sales engineers are at work in the sign field and are doing an effective job.

The results can be measured already. Today, every state in the union uses fir plywood highway signs. Twenty-six states use more fir plywood for large sign construction than any other material. Twelve states use fir plywood exclusively for large permanent signs.

How Field Promotion

is paying off for the plywood industry

They cannot take an order — but a group of three dozen fir plywood experts who actively promote the product in the field are directly responsible for many carloads of fir plywood in opening new markets.

Unique in size and scope, the field promotion department field men of the Douglas Fir Plywood Association, cover the entire U. S. with their promotion of volume uses of fir plywood by calls on specifiers and large users.

Under direction field promotion director, Stanley A. Taylor, Tacoma, Wash., field men show architects, building code officials, engineers, lumber dealers, large builders and industrial users how benefits of quality grade-trademarked fir plywood relate to their particular fields.

Scope of the calls made by field men goes much further than simply providing general information. Prime achievement is creative selling—showing specific uses for specified jobs. Because they represent the industry, field men make many calls where regular plywood salesmen do not go.

BUILDING CODE official calls by the field men totaled over 600 for the first 9 months of 1957. Largely because of the efforts of the field promotion and technical staffs over the years, every major building code in the country permits the use of fir plywood. Field men point out that code calls are positive promotion—they are not selling plywood—but serve to open the door. Code acceptance must be gained before sales efforts can be translated into consumption.

CREATING BUILDER acceptance takes field men into areas where regular plywood salesmen go. Here are examples of ways field calls have paid off:

In August, 1954 field promotion calls on a New England building code office established acceptance of fir plywood according to DFPA recommendations. With this beachhead established, field men began calling on one of the largest builders in the area. Target was the firm's chief architect who specifies all building materials going into their jobs. By relating the fir plywood use directly to the builder's projects, field men were able to show the economy and sound construction to the architect's satisfaction. With this groundwork laid, a field representative met with the owners of the building firm in July this year. Results were orders for 7.5 million square feet of grademarked PlyScord and PlyShield. Follow-up calls in August resulted in orders for Texture One-Eleven and other plywood which upped the total to 9 million square feet of plywood for 1500 houses. In September the firm announced its intention of building a 10,000 home development in West Palm Beach, Florida, beginning early in 1958.

This time the builders called in the DFPA field representative and asked for help on information regarding codes and home styles in Florida. In a show of teamwork, commonplace in the regional organization of the field department, the Atlanta, Georgia field office provided the information to be passed along to the builders. In October, the firm requested details of "California type" houses. A memo from the Boston field office to Los Angeles office brought the requested information.

CONSISTENT CALL-BACKS and handling the ball from one field promotional region to the other, were instrumental in getting fir plywood specified for over 50,000 units of Capehart housing on military bases throughout the country. Total footage estimated for the 57,945 Capehart units is 222,015,000 square feet of fir plywood or enough for two weeks production of the entire industry.

A total of 198,000,000 sq. ft. of PlyScord; 13,200,000 sq. ft. PlyShield; 6,000,000 sq. ft. PlyPanel; 2,750,000 sq. ft. of medium density overlay; 865,000 sq. ft. Texture One-Eleven and 1,200,000 sq. ft. of 2.4.1 is estimated to have been specified.

INDUSTRIAL USERS are usually not interested in receiving a call which merely outlines the general grades and uses of fir plywood. The industrial will listen only if plywood can be related to specific phase of his operation in which he has problems or is trying to make improvements. With this in mind, field representatives in the Chicago area developed a specific and successful approach to large industrial firms. This approach consisted of designing plywood pallets to the specifications of individual firms.

The procedure proved so effective in 1957 that it was followed in the nine other field regions. Although fir plywood pallets presently represents only a small percentage of total pallet production, it would take 2½ months of total industry production annually to meet the demand if all pallets were made of plywood.

Field men found large industrials seriously concerned about the high cost of pallet maintenance and the high rate of pallet mortality. Therefore, there was fertile ground for their presentation. The presentation was built around a model pallet that could be used to demonstrate plywood's advantages. After showing the model to the industrial user, the field men offered to provide a custom pallet design service.

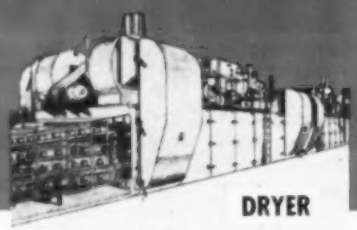
Any volume user of pallets was offered this design service. If he was interested enough to set forth his pallet specifications, the field man worked out an individualized design for a pallet which would be especially applicable to his own plant. As a result, a number of large industrial firms are switching over to plywood pallets.

As a product of this program, the field department now has a custom-pallet brochure showing 24 standard plywood designs. Armed with the brochure, plywood salesmen in all areas of the country will be provided with material to continue opening markets.

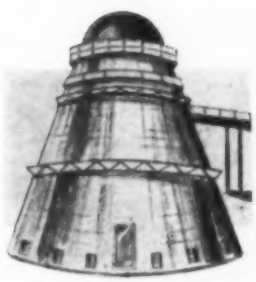
Eliminate Expensive Downtime!
...Install GRAPHALLOY BUSHINGS!

NORMAL LIFE 5 to 10 YEARS!

Self-lubricating!
Contain no oil!
Require no attention!



DRYER



REFUSE BURNER

OPERATE DRY to Temperatures of 750°F. in AIR

(Higher temperatures in inert atmospheres)

GRAPHALLOY BUSHINGS cut maintenance costs these many ways: Have long life • Require no attention • Operate where oil or grease lubrication cannot be used Avoid downtime • Operate submerged in water and most acids • Unaffected by low temperatures • Do not soften . . . withstand high temperature (750°F.) as in dryers, ovens, refuse burner conveyors, and in rotary steam joints.

SOME CASE HISTORIES:

BOARD DRYERS – Copper-GRAPHALLOY General Purpose Hanger Assembly 354-1 was designed especially for roller-type board dryers. Copper-GRAPHALLOY is used primarily because of its long life . . . eliminating shut-downs for greasing and maintenance. Astonishing savings in avoiding loss of production have resulted from the installation of these self-aligning hanger assemblies in place of ball bearings since Copper-GRAPHALLOY Bushings have a normal life in this service of *five to ten years* without replacement. See our Data Sheet 354.

VENEER DRYERS – Copper-GRAPHALLOY Bushing Assembly 448, which is self-aligning, was designed especially for the usual veneer dryer bearing. It replaces the present grease-lubricated roller . . . *and eliminates shut-downs for greasing.* These Copper-GRAPHALLOY Bushings have run continuously *24 hours per day seven days per week for ten years without any down-time.* See our D.S. 448.

REFUSE BURNERS – Copper-GRAPHALLOY Bushings, for refuse burner conveyor bearings and pillow blocks at the hot end of the conveyor, have been in operation *five to seven years* without replacement and without attention. See our D.S. 478.

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Don't Sell Plywood—

Sell the Package!

By T. J. Welsh, Sales Manager
Welsh Plywood Corp., Memphis, Tenn.

INSPECTING the panel stretcher and packaging is J. R. Welsh, president.

In a very short time our company has become one of the largest manufacturers of prefinished plywood wall paneling. Although we have an excellent and leading product, the whole key to our success is merchandising. Our goal is and has been to give the retail consumer exactly what they want, making it easy for them to get, and make a packaged deal out of it. We not only sell PLYWELSH prefinished plywood paneling, we sell prefinished moldings to match the plywood, color blended putty sticks (to fill nail holes), match stain (to stain doors and built-ins exactly to match PlyWelsh), and other related items. This is exactly what the consumer wants. He wants a package deal. During the year 1957, our first year of being on the national market, we placed 7,000 PLYWELSH Dealer Displays in retail stores, contractor offices, and architects' conference rooms through our plywood jobbers. This means that many thousands of people can actually see, touch, and visualize our product with the least amount of effort.

To further give the consumer what he wants and to meet almost any situation we placed another very powerful tool in the hands of our dealers' salesmen. This is the *panel stretcher*. The panel stretcher allows us to cope with any height ceiling, to be used below the 4 x 8 panels, in between the 4 x 8 panels, or above the 4 x 8 panels. The *panel stretcher* is a 12", 24", 36" or 48" wide, 8' long sheet of plywood which is grooved every 4 inches and end matched. It has an unlimited design possibility and gives the retail salesman an easy answer when a ten, eleven or higher foot ceiling is presented to him.

In summary: We sold a package, we did not sell plywood; and we obtained a national market in a very short period of time. Of course this would not have been possible without the plywood distributor and millwork distributor who gave us immediate coverage through the dealer and down to the consumer market.

The feature item in our package is the PLYWELSH paneling. It is packaged six 4 x 8 panels to the box, in a attractive green and gold carton. The headboard of our display unit is reproduced on each carton.

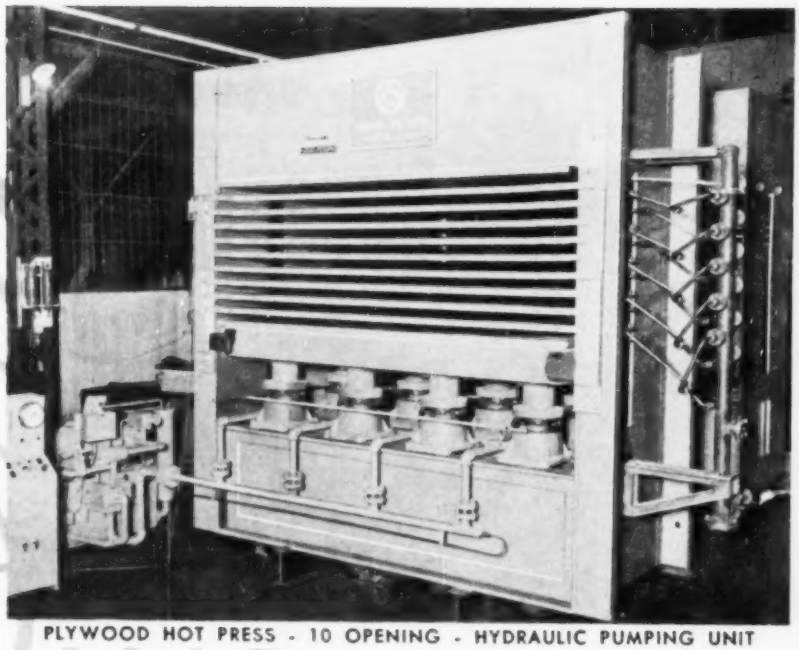
PLYWELSH is prefinished by a unique finishing apparatus that is a straight line production machine approximately 150 feet long that turns out three completely finished, dried and waxed, panels per minute. It took two and a half years to develop this finishing apparatus at a cost of upwards of $200,000. The equipment is capable of producing 18,000,000 feet of prefinished hardwood or fir paneling annually.

The principle of our finishing process for plywood, and the reason it is different, is that our use of pressure brushes and infra-red heat completely saturates the wood with a special resin and fillers. The surface is then hardened while the finish is deeply penetrated into the wood. Thus, we actually create a new surface substances wed into the wood that is super hard and highly resistant. This is not a wax finish, the wax we use is an added feature. We add an additional protection of hard wax coating, which is melted on to the plywood near the end of the production line. This hard wax is then buffed onto PLYWELSH, giving it an extra hard and beautiful texture.

THE FINISHING PROCESS is divided into ten steps. (1) After the plywood is V-grooved it is placed into a speed sander, (2) then the resinous type filler type stain and sealer is sprayed and rolled on the panels. Simultaneously a roller-coater seals the backs of all PLYWELSH panels. (3) The material is forced into the wood with the use of 12 rotating brushes, and two drum type revolving brushes. (4) A special infra-red oven then opens the wood fibers, placing the finish deep into the pores of the plywood. (5) A drum type revolving brush removes excess finish that collects in the grooves of the panels. (6) A special chamber applies the wax to the surface of all PLYWELSH panels. (7) The panels are then passed through another battery infra-red system. (8) They are further buffed with twelve more rotating brushes. (9) Panels are then cooled through a special cooling chamber. (10) They go under a large drum type brush which cleans and polishes the surface. The panels are then removed from the machine and packaged in regular green and gold cartons.

After several months of lengthy experimentation and development the PLYWELSH finish has been adopted to fir plywood in a very successful nature. The unique process actually makes the fir panel one of the most beautiful in our line. Our resins actually fill and harden with the wood, filling all of the tiny pores of the fir plywood. Fir is expected to be our biggest seller in 1958 and at the present time we are finishing fir in our Memphis plant in a stop over basis, which is going into the large mid-west and eastern markets.

We already have our plans for merchandising this product of prefinished fir and we are planning on shipping several million feet of fir in 1958. Once again we will be selling the package.



PLYWOOD HOT PRESS - 10 OPENING - HYDRAULIC PUMPING UNIT

MEIKI

from selected logs.....

SUPERIOR VENEERS & PLYWOOD

MEIKI PRESSES

used throughout the world wherever superior veneers and plywood are produced

MEIKI CO., LTD.
NAGOYA, JAPAN
CABLE: PACIFICWOOD, TOKYO

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Pacific Wood Products Co.
Statler Center, 900 Wilshire Blvd.
Los Angeles 17, California
CABLE: NORWOOD, LOS ANGELES

Mid-Northern United States Area
Transatlantic Machinery Company
155 King Street East
Toronto, Canada

British Columbia Area
Nicholson Murdie Machines
327 Harbor Road
Victoria, B. C

Don't Sell Plywood—

Sell the Package!

By T. J. Welsh, Sales Manager
Welsh Plywood Corp., Memphis, Tenn.

INSPECTING the panel stretcher and packaging is J. R. Welsh, president.

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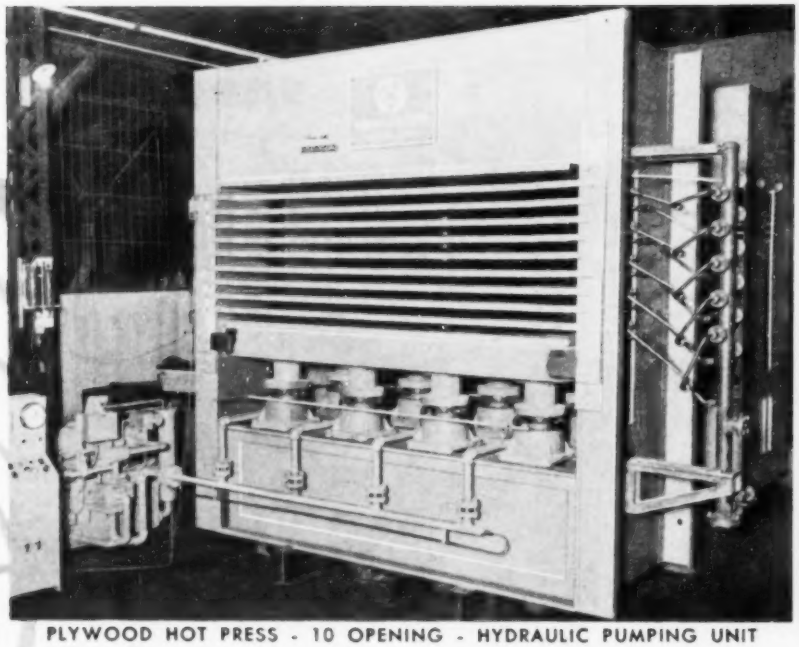

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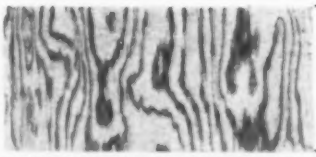
Transatlantic Machinery Company
155 King Street East
Toronto, Canada

British Columbia Area
Nicholson Murdie Machines
327 Harbor Road
Victoria, B. C

Simpson M&M

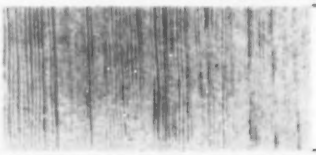
specialty plywoods

FIGURED GRAIN REDWOOD
Available in Natural or Planked Exterior

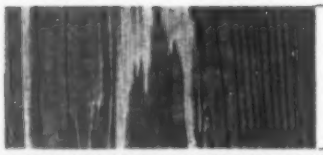


DOUGLAS FIR
Available in Natural, or Planked Interior & Exterior
Exterior Texture 1-11, Boat Hull & Jumbo Panels

RIFT GRAIN REDWOOD
Available in Natural or Planked Exterior

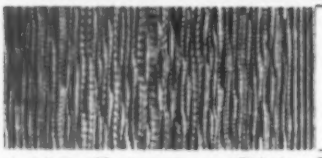


RIFT GRAIN FIR
Available in Natural or Planked Interior & Exterior

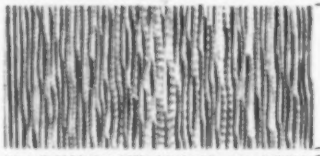


REDWOOD SHADOWOOD
Available in Natural or Planked Exterior

FIR SHADOWOOD
Available in Natural or Planked Interior & Exterior



REDWOOD PLYWEAVE
Available in Natural only Exterior



FIR PLYWEAVE
Available in Natural only Interior & Exterior

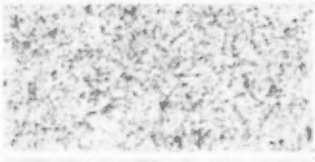
REDWOOD RUSTICWOOD
⅜" x ¼" Channels 4" O.C. Exterior

FIR STRIATED
Available in Natural only Interior & Exterior

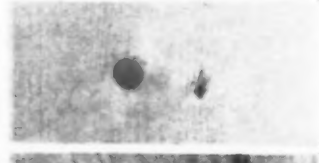
FIGURED GRAIN PHILIPPPINE MAHOGANY
Available in Natural or Planked Interior

OAK (HALF ROUND)
Available in Natural only Interior

RIBBON GRAIN PHILIPPINE MAHOGANY
Available in Natural or Planked Interior



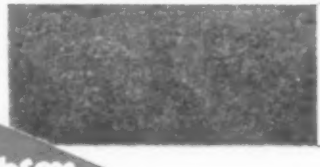
PLYRON
(Hardboard Faced Plywood)
Available in Standard Interior & Exterior and Tempered Exterior



KNOTTY PINE
Available in Natural or Planked Interior

OVERLAID FIR PLYWOOD
(High Density)
Exterior

BIRCH
Available in Natural or Planked Interior



OVERLAID FIR PLYWOOD
(Medium Density)
Exterior

Simpson M&M

PD 717

SIMPSON LOGGING COMPANY

SALES OFFICE, PLYWOOD AND DOOR PRODUCTS: 2301 N. COLUMBIA BLVD., PORTLAND 17, OREGON

REGIONAL SALES OFFICES IN NEW YORK, CLEVELAND, CHICAGO, MINNEAPOLIS, MEMPHIS, DALLAS, DENVER, LOS ANGELES, PORTLAND, SEATTLE

GENERAL OFFICES IN SHELTON, WASHINGTON

WORLD REPORTS

WORLD REPORTS

International Plywood Production Continues Upward Spiral

The uninterrupted expansion of international plywood production continued through 1955, according to tables compiled through that year, the latest available, by the Food and Agricultural Organization of the United Nations.

The world's plywood production for 1955 was 6,214,680,000 square feet, 3/8-inch basis with particularly notable expansion recorded in France, Canada, United States and Japan.

The United States continued to lead world production with a total of 6,214,700,000 square feet for 1955. The U.S.S.R. is in second position with 1,185,300,000 square feet. Japan is third with 771,700,000 feet with Canada in fourth spot with a 757,000,000 foot production.

The FAO tables show an even 50 of the world's countries producing plywood.

UNITED KINGDOM

By THE LUMBERMAN'S special British Correspondent

The past year has been the best for plywood in Great Britain since 1938, with a total of 15 million cubic feet of imports placed under contract by September. Importers stepped up their buying because of the dual attractions of cheaper plywood and a good British demand.

Most of the business was placed with Finland with Finnish purchases estimated at 5.1 million square feet by September. Both Russia and Finland cut prices by as much as 30% on the best 1956 values.

Major market advance was made by Russia. In previous years, Russian sales had been roughly a quarter of those made by Finland to the U.K. By September, contracts reached over 3.6 million cubic feet, some 70% of the Finnish orders.

Softwood plywood trading in Britain continued its advance. Contracts importing plywood from Canada placed during the year totalled 1½ million cubic feet as compared to the 1.1 million figure for 1956.

The last remaining import control on plywood was removed in mid-year when dollar hardwood plywoods were placed on open import licenses. Following this action, the U.K. immediately re-entered the Canadian birch plywood market. While more costly than the European product, there was much favorable comment on quality.

British plywood production still covers only a minor portion of the total consumption, and a move by the Association of British Plywood Manufacturers to obtain an increase in the import duty on certain plywoods was rejected by the U.K. government.

British plywood production in 1956 was 123,000 cubic feet with the 1957 production estimate placed at 155,000 cubic feet. Emphasis is placed upon quality because of higher costs faced when raw material is imported.

During the past year, plywood gained some ground over fibreboard in the cheaper grades because of plywood's lower cost and slightly expanded markets.

The Plywood Manufacturer's Association of British Columbia continued their British publicity program through their London technical representative, A. C. Kenny. Kenny handled many queries on the use of the material.

Emphasis on pure publicity work for Douglas fir plywood in the U.K. will be made in 1958. This is as apart from the technical side. It has been felt that a good grounding has been given to the material to show the users its many advantages, especially in exterior work.

R. C. Mullen, president of the B.C. association toured the U.K. to make a market study in late 1957.

The Seaboard plywood division has been taking an active interest in the British market and R. Douglas Reid, manager of the group plywood department, has made regular visits. This firm has offered simple home furniture plans of interest to the do-it-yourself market.

The most significant gain in softwood plywood has been for decorative purposes. Brushed, striated and embossed panels have won immediate favor among architects seeking attractive finishes and panelling.

More research and development by the Timber Development Association will be possible through an increase in the Government grant. It is probably that the association's grant will be doubled in 1958. A new plywood handbook was published by the T.D.A. in late 1957.

A new contract form for all c.i.f. buying of plywood by the U.K. importers was approved by the timber Trade Federation to begin use in 1958. This new up-dated contract has the code name PLYCIF.

The Rickmansworth firm of Aaronson Bros., Ltd., started production in its new veneer plant, claimed to be Europe's most modern, during the year. This brings Britain's plywood producers to 25 but with only five of any appreciable size.

A 1958 problem will be the effect of any scheme for a European free trade area which would bring much-increased competition for the U.K. plywood trade.

Total Hardwood and Softwood Plywood Production

1955

(100,000 square feet, 3/8-inch basis)

Total	11,728.8	South America	192.0
		Argentina	44.0
Europe	2,169.5	Brazil	109.6
Austria	40.6	Chile	12.4
Belgium-Luxembourg	36.2	Colombia	11.2
Bulgaria	40.6	Paraguay	1.7
Czechoslovakia	38.4	Surinam	12.4
Denmark	12.4	Venezuela	2.8
Finland	410.2	Africa	90.3
France	255.4	Belgian Congo	29.3
Germany (West)	733.3	Federation of Rhodesia and Nyasaland	1.1
Germany (East)	22.6	French Equat. Africa	32.7
Greece	4.5	French Morocco	5.9
Hungary	20.3	French West Africa	.9
Ireland	.1	Gold Coast	4.2
Italy	169.5	Nigeria	16.9
Netherlands	38.4	Asia	949.1
Norway	13.6	Ceylon	6.4
Poland	83.6	India	46.3
Portugal	7.0	Israel	23.7
Spain	48.6	Japan	771.7
Sweden	56.5	Korea, South	12.4
Switzerland	24.9	Malaya	6.7
United Kingdom	61.0	Philippines	62.1
Yugoslavia	46.3	Pacific Area	135.5
		Australia	102.3
U.S.S.R.	1,185.3	New Zealand	22.5
North & Central America	7,005.6		
Canada	757.0		
United States	6,214.7		
Guatemala	3.5		
Mexico	23.7		

(Taken from Yearbook of Forest Products Statistics, Food and Agriculture Organization of the United Nations, Rome, Italy, 1956. Cubic meters converted to square footage basis by formula of .885 cubic meters=1000 square feet.)

JAPAN

Reported by
Kenji Sakai
THE LUMBERMAN'S Tokyo correspondent

The Japanese plywood industry celebrated its 50th anniversary in November, 1957. First production was at Nagoya in 1907. The tremenduous development of recent years is due entirely to the United States. During the Korean War, U. S. armed forces in the Far East procured a huge quantity of Japanese plywood made to U. S. specifications. This suddenly advanced the technical level of the Japanese plywood industry as well as the production level. Then the U. S. home-building boom caused a sharp demand for Japanese plywood. This has resulted in Japanese exports swelling from year to year. In addition, domestic consumption has been expanding enormously.

Forestry Products Division Chief Kumio Nakagawa of the Japanese Forestry Agency told THE LUMBERMAN, "We are considering prohibiting new plywood plant construction pursuant to the Small Enterprises Stabilization Law. Our government has, since this autumn, taken an epochal measure for export control. We set a North American export quota for all plywood items. Previously ordinary lauan plywood was put on quota by the exporter's association in 1955.

"Shippers outside the association can no longer elude the quotas because customs now require a shipment license. Exporters are required to strictly observe the price check list to eliminate any possible 'dumping'. We are encouraging exports to other overseas markets than North America as well as increased home consumption.

Japanese Plywood Production and Export, 1953 - 1957

Unit: Million Sq. Ft. (4 mm. Basis)

Year	Production	Domestic Consumption	EXPORT U.S.	Eng.	Canada	Other	Total	% Exported
1953	1,064	908	112	16	2	26	156	14.7
1954	1,404	954	311	94	9	36	450	32.1
1955	1,800	1,190	436	110	17	47	610	33.9
1956	2,250	1,574	541	58	25	52	676	30.6
1957	2,400	1,630	620	60	40	50	770	32.1

Source: Up to 1956 Japan Plywood Inspection Corporation. Figures for 1957 estimate.

This dynamic momentum began subsiding as 1956 closed. Overproduction, end of the domestic economic boom, dullness in export shipment of the ordinary products and a sharp drop in lauan log freights all coupled with Japanese concern over possible U. S. limits of Japanese plywood imports to create an uneasy industry.

A 12-month production quota of 2.4 billion square feet, 4-mm. basis, has been set. There was some expansion during the year, but in view of the situation, no new plants or expansions are contemplated. The number of Japanese plywood plants still remains under 200, although capacity has been increased to slightly above 3.5 billion square feet as against 2.8 billion in 1956.

"Now that supply and demand for Japanese plywood has come to the saturation point, we should stress advancement in superior quality and variety rather than stressing production quantity," Nakagawa concluded.

According to Sadao Kurosawa, managing director of the Japanese Plywood Exports Association, the North American shipping quota has been set at 666 million square feet annually. Of this, the United States would take about 620 million square feet. Enforcement of the new control measure started on October 1, 1957.

Technically, rolled plywood of machine make and a similar "hollowed" plywood panel appeared during the year with good prospect for the future.

AUSTRALIA

Australian plywood production started in Brisbane in 1915, although sliced veneer had been produced earlier. Its development was steady between World War I and II. By 1938 annual production had reached about 115 million square feet, 3/16-inch basis. It fell slightly during some of the World War II years. Production has risen almost constantly since the war except for a sharp fall in 1952-53 following large importations coupled with the effects of the recession.

Australian Plywood Production

(In thousands of square feet, 3/16-inch basis)

Year	Water-proof	Non-waterproof Commercial	Case	Total
1949-50	15,790		141,243	157,033
1950-51	16,196	131,905	5,396	153,497
1951-52	15,884	139,603	3,667	159,154
1952-53	13,891	95,637	6,200	115,728
1953-54	13,108	142,940	5,596	161,644

There are 48 rotary and 8 sliced veneer plants in operation in Australia, with a total production capacity of approximately 1 billion square feet. Most of the rotary plants each have a yearly single-shift capacity of five to ten million square feet, 1/16-inch basis, but several plants approach 100 million square feet.

A total of 48 plywood plants with an annual capacity of 250 million square feet, 3/16-inch basis, are producing. Press capacity is about 75% of lathe capacity.

Except for the early years of World War II when substantial amounts of plywood were sent to the United Kingdom, plywood exports have been comparatively limited. The industry generally has little surplus over the domestic demand which is its preferred and principal market.

Plywood imports were on a comparatively small scale until speculation drugged the market in 1951-52 resulting in import-restrictions. Imports are mainly of door sizes from Japan and New Guinea.

FINLAND

Finnish output of plywood for 1957 is estimated at 10,860,000 cu. ft. This will be higher than the 1956 figure but below 1955. Many mills have been working below capacity in Finland, and one factory was closed for most of the year.

SWEDEN

Swedish pine and spruce plywood exports for 1957 are estimated to be about 10% higher in 1957 than in 1956. In the first half of 1957 the exports were 3,300 tons, compared with 3,100 tons in the first half of 1956.

NEW ZEALAND

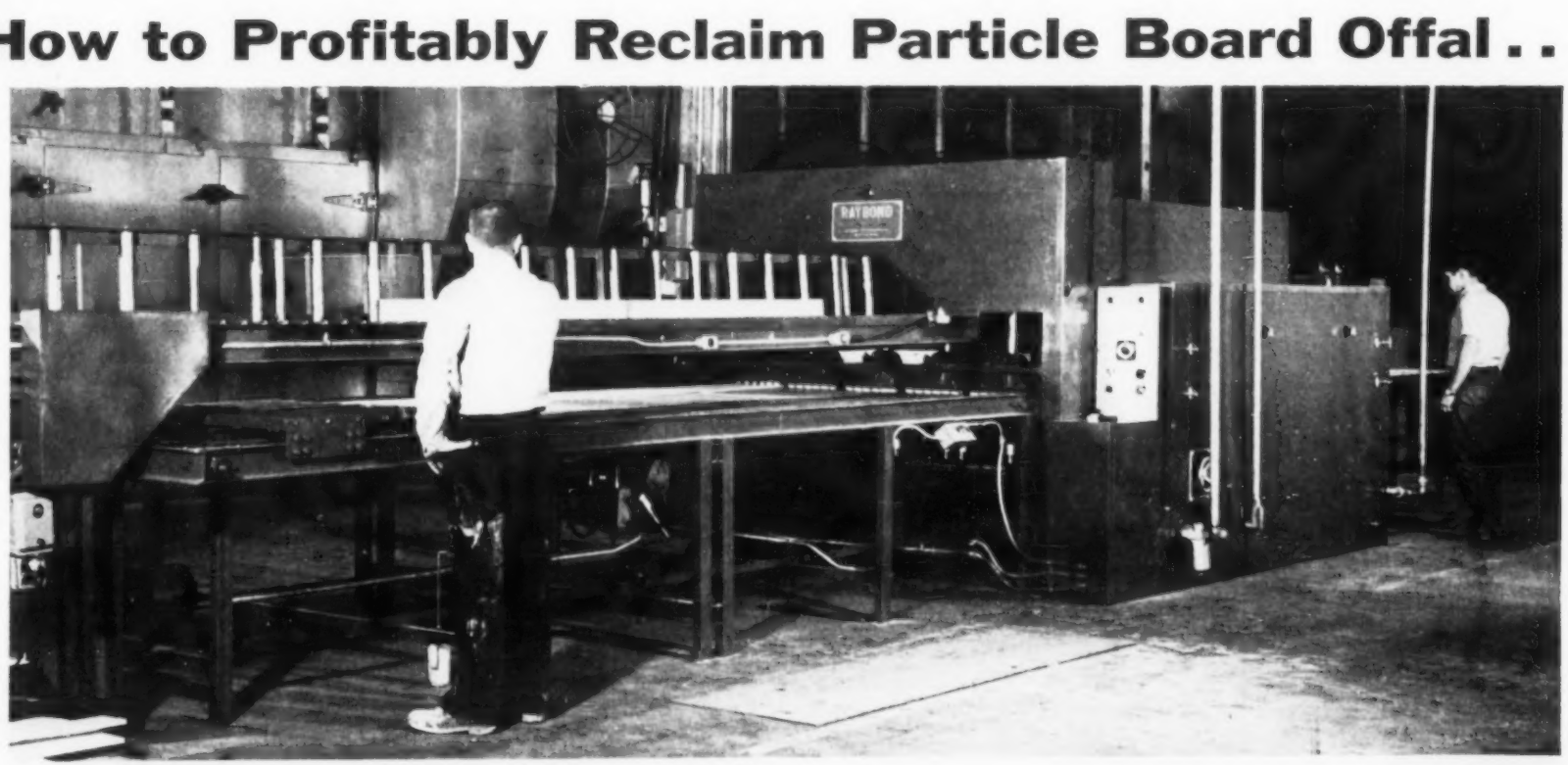
First New Zealand veneer and plywood production was by the Ellis Veneer Co., Ltd., in 1910. In 1921, the company produced 477,000 square feet of plywood in addition to 3,707,000 scaleboards and 1,647,000 strawberry baskets.

Production increase was gradual. In 1942 New Zealand Plywood, Ltd., and Henderson and Pollard, Ltd., both of Auckland, entered the field. Others entering include E. O. Collier, Manunui; New Zealand Forest Products, Ltd., Auckland; K. D. V. Boxes, Ltd., Auckland; and New Zealand Plywood (S.I.) Ltd., Christchurch. These comprise the present producers.

The principal raw materials used by the industry are various species

(*Continued on page* 110)

How to Profitably Reclaim Particle Board Offal . . .



RODDISCRAFT, INC., Arcata, California uses this *Raybond Press* which handles both end-gluing and edge-gluing. Press edge-glues panels up to 67″ wide and 100″ long, and end-glues panels 12″-67″ wide in unlimited lengths.

This is one example of RAYBOND equipment designed and engineered to make money for people who work with wood. For additional information, write or call:

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(*Continued from page* 108)

New Zealand Production and Imports of Plywood

Year	Production (sq. ft.)	Imports (sq. ft.)	Proportion of Supply Met by NZ Production
1949	24,555,050	1,108,641	96%
1950	31,105,029	828,318	97%
1951	32,852,931	804,416	95%
1952	30,814,657	2,317,461	93%
1953	30,868,331	420,011	99%
1954	n/a	917,722	..

Philippine Plywood Production, Imports, Exports, Consumption 1949 - 1957 (Square Feet)

Fiscal Year	Production	Imports	Exports	Local Consumption
1949-1950	10,936,994	6,800,318	207,946	17,529,366
1950-1951	22,306,290	213,686	294,566	22,225,410
1951-1952	38,233,044	154,820	433,396	37,954,468
1952-1953	56,832,653	6,528	182,948	56,656,233
1953-1954	64,041,384	1,692	1,649,196	62,393,880
1954-1955	81,918,113	....	7,289,261	74,628,852
1955-1956	105,301,484	....	9,278,306	96,023,178
1956-1957	112,226,852(x)	....	24,026,862(x)	....

(x) Figures up to April 1, 1957 only.

Sources: Bureau of Forestry
Industrial Development Center, SRD

of New Zealand grown timbers, with Rimu the most important. Logs and standing timber sold from state forests provide 35% of the annual sawn timber production in New Zealand. A requirement of state timber sale licenses is that the licensee shall offer for sale to a manufacturer of plywood or veneer, peeler grade logs comprising not less than ten percent of the licensee's monthly output of Rimu logs obtained under the license.

Considerable interest is being shown to private plantations for tree farm use with the fast-growing clean-boled Radiata Pine a favored species.

PHILIPPINES

First Philippine plywood was produced in the Philippines by the Cadwallader-Gibson Lumber Co., Limay, Bataan in 1937. At the outbreak of World War II, additional plants were operating in Polillo and Davao. The Japanese during the occupation installed a plywood plant in Tondo, Manila which was acquired by the St. Clara Lumber Co., in 1946.

Other plants in Manila and the provinces brought the total producing mills to eight by 1956. Production rose from 425,610 square feet in 1946 to 3,930,612 square feet in 1949. At present, 14 plants are in operation, and two more are due in 1958.

INDIA

The Indian plywood industry has been quite static. The first two factories were established in 1917-18 with only three producing at the time of World War II. The number was increased to 80 during the war years, but when unrestricted imports were resumed following the war, the demand for local plywood almost disappeared and factories rapidly closed. A protective tariff of 30% was imposed in 1947 and gave local industry an upward shot.

Tea chests are the most important use of plywood in India and Indian plywood is dependent upon its parent industry—tea.

Production costs are high with factories uneconomically small. The average installed capacity is but 2.6 million square feet annually. This makes quality control and technical supervision difficult.

	INDIA ANNUAL INSTALLED CAPACITY			PRODUCTION	
Year	No. of Factories	Sets of Tea Chests	Million Sq. Ft.	No. of Sets	Million Sq. Ft.
1947	43	3,393,660	60	1,614,817	28.55
1950	45	5,656,100	100	2,317,092	40.97
1952	67	8,179,000	145	4,835,149	85.49

NEW PRODUCTS at Beaty Laminated, Ltd., Vancouver, B. C. are shown by Jim Greenhill, superintendent. At left, a strip of Platewood, new particle board core; at right, panel of walnut plywood.

Simpson Converts Shelton To Plastic Overlay

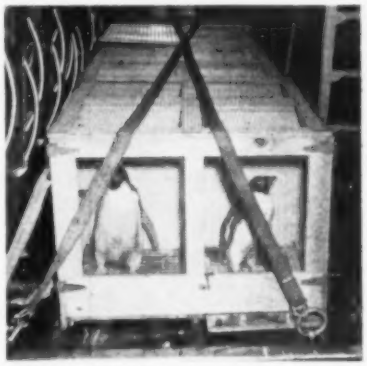
Conversion of the Simpson Logging Co.'s Olympic Plywood at Shelton, Wash., to plastic overlay production was begun in October. Approximately $100,000 will be spent in the changeover.

The expected closedown period was an estimated two months, according to vice-president and general manager, C. Henry Bacon, Jr. Bacon said, "The company's decision to change the plant into a new type of production resulted from months of market studies. There is a good demand for the smooth plastic overlaid plywood in construction."

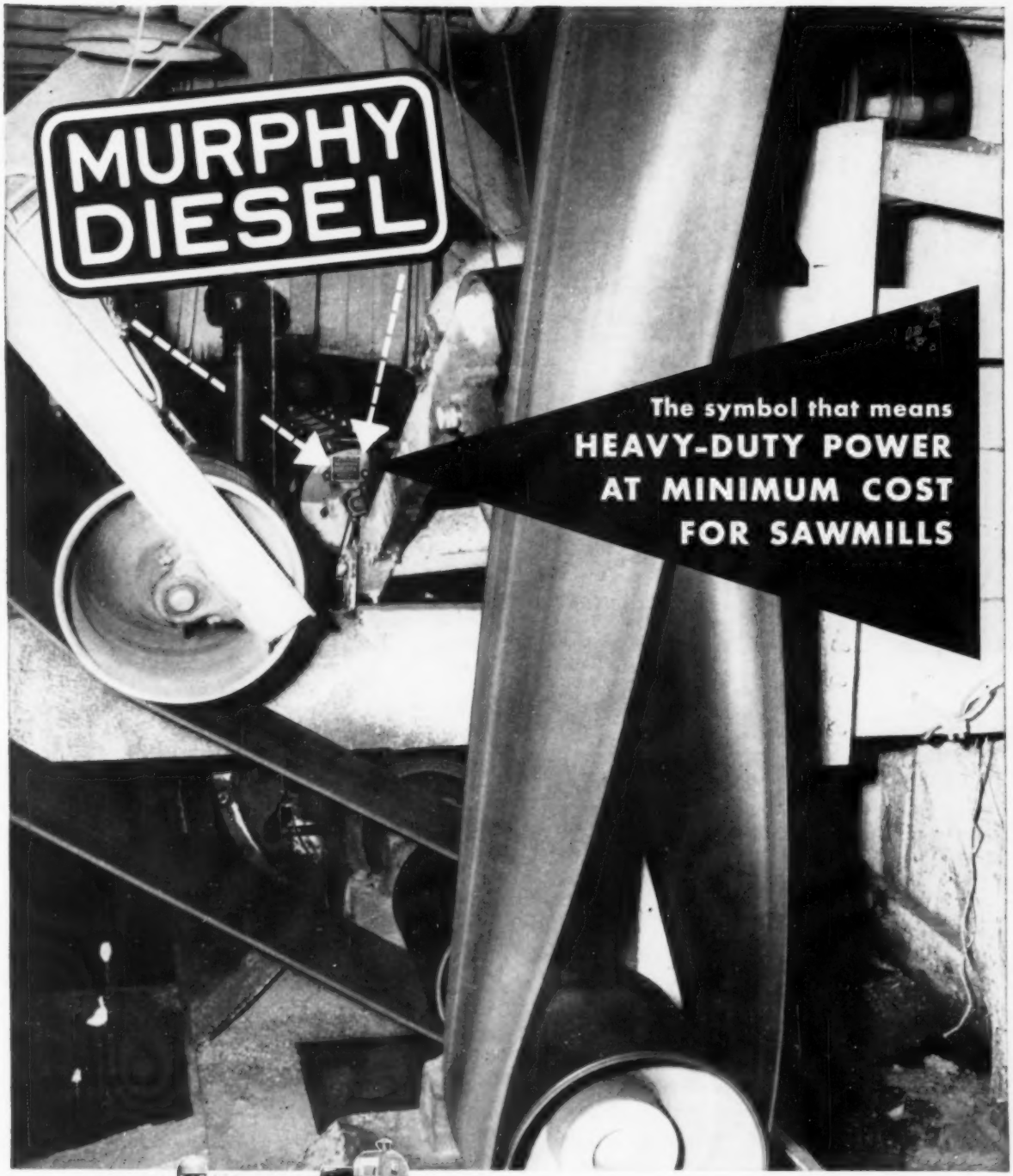
●

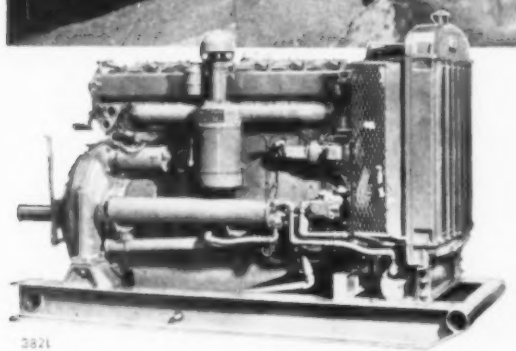
Plywood, Naturally

Construction of the new office building of Durable Plywood Co. in Arcata, Calif., employs a number of plywood faces, naturally. Interior panels used include brushed redwood, white birch, mahogany and fir plywood. The ceiling is acoustical tile and the building is built on redwood piling. The all-wood structure is 90x40 feet.



PENGUIN CRATES are latest use for Douglas fir plywood. Portland, Ore., zoo director flew 60 birds from Antarctica recently. Knock-down crates were pre-fabbed of ¾-inch A-D exterior. Plywood was ripped to 2½ inches for slats used for framing. Strength and weight were important factors.





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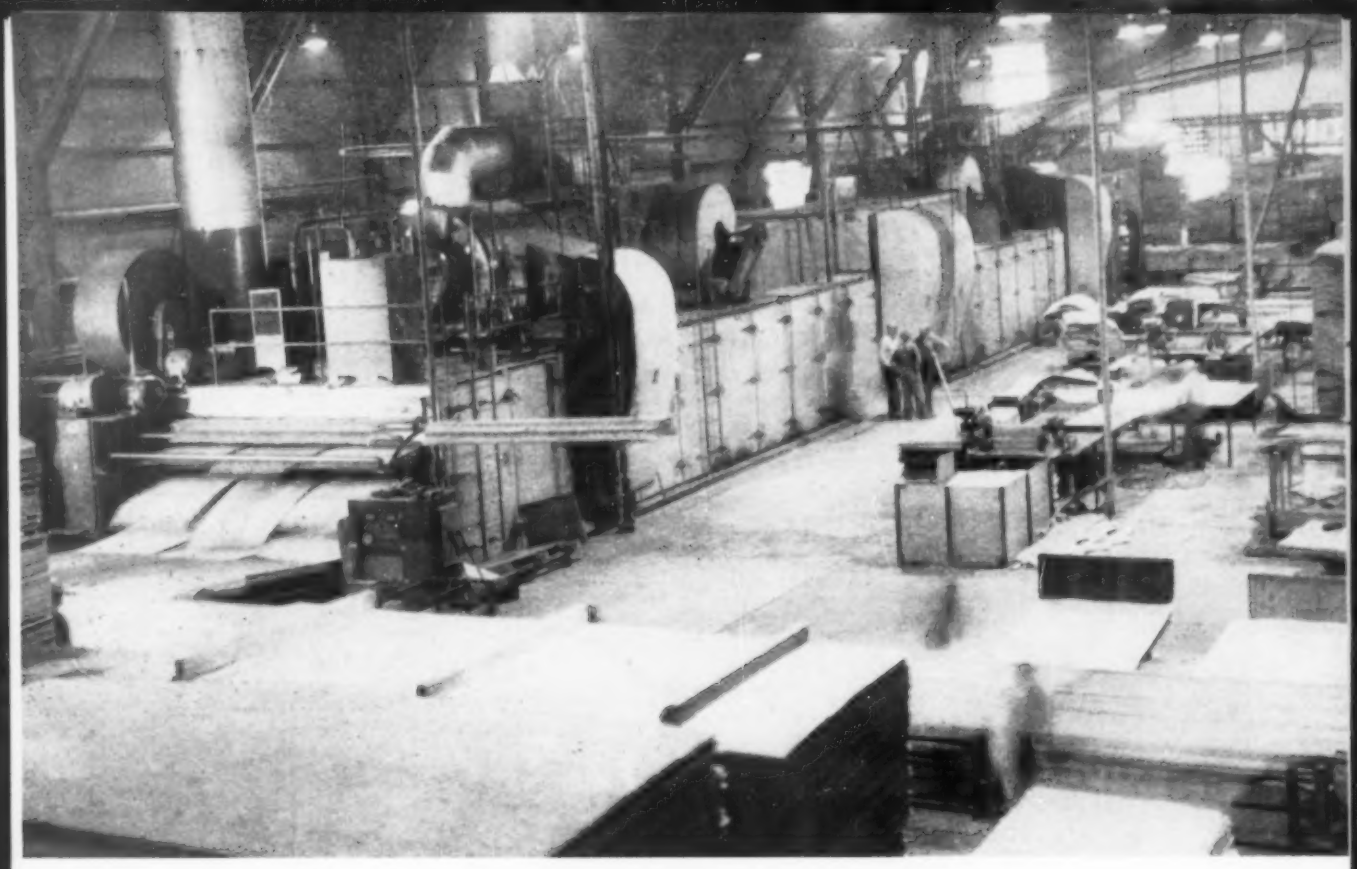

SPECIAL REPORT

How Plywood Industry Executives Look At Their Industry Today

- See industry as inflicting upon itself its worst financial beating the year of its greatest sales volume.
- Supporting plant capacity is temporarily in excess of consuming capacity, causing distress in many quarters.
- Call themselves immature in loss-pricing and in production for production's sake rather than for quality.
- Violators of product quality standards are industry's biggest worry.
- Modernization — more automation — new research — better management are looked for.
- Advocate single glue line—fabricating plants in strategic areas.
- See plywood's future tied with intensified product-market research, quality control and promotion through their own association.
- With better market knowledge, see ample room for future market development, more rewarding balance between production and demand.

SPECIAL REPORT

SPECIAL REPORT

What is the real situation of the plywood industry today? Some believe that it may be foundering due to its own self-inflicted illness. Others believe that though healthy, the industry is hurting today due to economic conditions, both within and beyond the industry control. All agree that there is presently too much production at capacity. There is also a thin thread of concern that the industry may have "peaked" and has reached its annual saleable capacity for the next 10 to 15 years. The majority are convinced, however, that plywood has an unlimited future.

To take a closer look at how industry executives view their own business —particularly in a time of duress when profits shrivel while sales continue to reach a new high, THE LUMBERMAN conducted a random cross-section survey of plywood executives. Specific questions were asked as to the industry's health, its problems and what should be done about them. Here is a resume of their combined thinking:

I. Economic Health

For the most part, panel members were of the opinion that the plywood industry, as such, is in good health and has all the components to keep it in good condition. The situation that the industry now faces has been brought about by years of high demand, stimulating imbalance of production capacity and sales volume. Now that the artificial economic atmosphere of "boom or bust" period of plywood that has taken place since World War II, is believed to be receding, the plywood industry is settling into a period of economic activity wherein soundly managed and capitalized operations will continue to make good progress.

While it was agreed that well-managed companies with timber supplies would probably do well, those companies who do not have timber can operate profitably only if public owned stumpage is reduced in proportion to the over-all decline in the selling price of the end product. To what extent this takes place will, in some measure, depend upon the companies themselves which bid for such timber and the restraint they exercise in making bids.

The curious position of starving in the midst of plenty, while more plywood is being sold today than the entire industry could produce just 2½ years ago, on three shifts operating years ago on three shifts operating some as not only economically unhealthy, but as industry "mental illness". Perhaps viewed more philosophically, it reflects the typical American success story of an industry being prosperous for a long period of years without sufficient "breathers" for adjustment.

The problem is serious as oversupply of plywood causes the mills to pressure buyers for orders and the buyers pressure the mills for price concessions. Results are selling prices that are below cost in many cases. As a result of what many feel to be a "state of industry immaturity", there has been too much emphasis on production for production's sake. Industry people, however, are becoming increasingly aware of this so-called immaturity and are engaging in a more serious attempt to put their house in order with a realistic approach to internal problems and to new markets.

There were various expressions by panel members. They ranged from the belief that plywood is rapidly being relegated to a role of satisfying those end uses that need strength, to the assurance that the industry is taking an adjustment "breather", after which plywood demands will climb to new heights. Some expressed a view that high density and medium density boards will serve many of the purposes formerly held by plywood.

II. Basic Economic Causes

Confronted with what was termed as an "interlude of confusion", let's now take a look at some of the causes of the present situation, as set forth by the executives' panel.

Growing pains: Since 1947 there has been a 300% increase in plywood production and of that, a 100% increase has been made in the last four years.

Substitutes: Tremendous increase in hardboard, plastics, aluminum and other products now used where plywood was formerly employed.

Inferior quality plywood manufactured, distributed and used. Too much inferior grade plywood, particularly sheathing, has been placed on the market, resulting in loss of markets.

Giving away plywood: While the product improved in quality and manufacture, many mills are operating at a loss or are losing tax advantage to liquidation of low cost timber, and quoting prices 20% to 25% below those existing two years ago.

Lack of market analysis: If and when manufacturers learn to produce what the market can absorb, all will enjoy good business and profitable business.

Manufacturing costs are fairly constant but the short supply of timber will keep the price and demand high for years to come.

Foreign imports of 75 million square feet per month of hardwood from one country alone, is equivalent to production of 12 average American softwood plywood plants.

Big offender is the 6- and 7-day operations of dryers and other facilities by a large segment of the industry.

Seasonal demand: One thing that we refuse to recognize is that plywood is a cyclical industry with seasonal demands. Practice of most producers to continue operating at peak volume even in the face of a low demand cycle is demoralizing to markets.

Timber backlog: Many plants were built with little regard to timber backlog. The result has been more production that has driven prices down to an unprofitable basis.

Oversupply of plywood causes mills to pressure buyers for orders and buyers in turn pressure the mill for price concessions.

Pricing policies have not kept pace with standards accepted by related industries. We sell plywood at 1949 prices today while there have been big increases in raw material and labor.

III. What To Do About It

(1) Diversify: In the next decade many plywood companies that have not already commenced to do so, will find it necessary to diversify.

(2) Use of other species: It will be necessary to utilize other species presently available, at lower stumpage prices.

(3) Limitations of some type on foreign imports.

(4) Limit facilities to 40-hour work, thus curbing excessive output which would cure many of the evils besetting us today.

(5) Free exchange of information through a more detailed weekly barometer, in a manner that would encourage cooperation in the required adjustment of production by a knowledge of what other mills are doing.

(6) Well-planned action by individual companies and cooperative effort by the industry as a whole. All plywood plants should join in this cooperative effort. Anyone who does not pay his share saddles the rest of the industry with a greater burden. It not only limits his own sales but if product quality is inferior immeasurable harm is done himself and the entire industry in which he is seeking to become a part.

IV. Future Outlook

Because of the merits of the product, the future of plywood is encouraging if necessary quality controls and promotional efforts are exercised.

If there is any doubt as to the future, it would be the effect that is being felt throughout the entire nation by all related lines of manufacturers.

Good economy is when everyone is working and everybody is taking home paychecks which keep the wheels of the business world turning throughout the country. Whenever this is stopped at any point, it has its effects back down the line through many types of industries. We cannot look at plywood as a "one-type" of industry, but must look at it from the over-all effect which market demands have on all lines of business.

If we assume a continued rate of development in America, then there will be further development of the plywood industry in those areas where it is an economically sound material and serves a useful purpose.

V. Market Development

Panel members emphasized the need for intensified, continuous and uninterrupted market research to find new uses and new markets. They credited the Douglas Fir Plywood Association as being the strongest single factor in plywood promotion and development today. Especially important is the need for continuous research since plywood production constantly challenges the demand and competitive materials persistently move into plywood markets.

From a sales standpoint a more healthful growth in the coming years will result from two factors: (1) new uses; (2) more uses. This means that the manufacturers have two advantages to exploit to the hilt; the research potential in finding and establishing new uses; the capacity for improving the product and promoting it to obtain increased consumption.

Though many companies individually have done much to develop and promote plywood, it has been suggested that companies take more initiative in supplementing the Association's efforts through their own research and promotion facilities.

VI. Manufacturing Methods

There was unanimity of opinion on the need for improving manufacturing methods: primarily a job of mechanization. The industry must develop machinery and controls to enable more output per-man-hour and the production of better plywood.

This does not mean production for production's sake, but production for better profit—a better quality product. At the same time this would permit workers to realize more in wages and the industry would, with proper policies, realize a more equitable profit for widening markets.

In this respect continuous improvements were suggested, extending from the woods through the plant, in almost every manufacturing procedure. Specific areas highlighted were: peeling; drying; pre-sized and continuous-flow layup techniques; production line patching and 100% hot press output.

VII. Product Refinement

Recognized as important, is a move to improve the appearance grades of softwood plywood. While some starts have been made in this direction, as the mills are faced with a constantly reduced volume of clear faces, the necessity for quality controls becomes more acute.

Most serious problem is considered the production and sale of inferior quality plywood. It must be held before the manufacturer, that the consumer has to be continually sold on the merits of plywood. As a result more attention must be given to quality.

More reliance must be placed upon the grading and quality standards of the DFPA. The industry would be shortsighted indeed if economic pressures were allowed to lower the established standards.

Quality control is to a great extent a self-policing job. The panel has suggested that individual companies might well concentrate on methods of maintaining higher standards to further supplement the efforts of the Association's industry-wide control program. There is, after all, "no substitute for individual company morality."

There was also a suggestion that the establishing of an independent grading agency would strengthen the significance of grade marks to the end user and eliminate non-conforming and inferior production.

VIII. Product Research and Engineering

This question involved the manufacturers' viewpoint on the following subjects: component parts; fabricating plants; laminating; prefinishing; packaging, and single exterior glue line.

Here there was some variance of opinion. Some believe that component parts, lamination and prefabricating are not concerns of the plywood manufacturer. Others say they are. The happy medium is probably to be found somewhere in the economic status of the different corporations.

Some of the executives stated that basically and economically the moment a plywood manufacturer goes further into the manufacturing field, he is in a new business. Such a business requires investment, manufacturing talents and separate marketing staffs. The only common ground is that they rely upon fir plywood as a base of raw material. Agreed by all was the suggestion that the idea should be thoroughly explored by the industry. Even though a producing mill may not own such a fabricating plant, each one should be willing to lend a helping hand to individual fabricators in the various marketing areas.

A stronger position was presented by some who are convinced that the industry should actively participate in or promote, the manufacture of component parts laminations.

The panel was of a mind that the establishment of fabricating plants, whether done by the industry or by independent owners, is a growing necessity; that any move into the fabricating field should be governed by the economic radius in which a plant may operate. Any successful efforts in processing wood into finished components would result in an appreciable increase in volume.

MORE ON SPECIAL REPORTS PAGE 116

PLYWOOD EXECUTIVE PANEL

A. W. AGNEW, President, Pacific Coast Co.
M. N. DEGGELLER, President, Harbor Ply. Corp.
W. C. ULETT, President, Coquille Plywood
J. L. BUCKLEY, Vice-Pres., Georgia-Pacific
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IX. Prefinishing

In the area of prefinishing, there was some divergence of opinion. Many felt that this problem depended upon the facilities of the individual plants, and whether or not they produced the type of panels that will be advantageous to prefinish.

Prefinishing is presently being done by several operators and appears to offer a good potential field. Some believe that other than for texture woods and possibly overlays, there is not too much future for softwood plywood in prefinished fields because of its more valuable structural properties.

X. Methods and Materials

Eliminating imperfections in wood surfaces, economically and effectively, is needed; a material that will flow on and will not crack or expand when dry or when exposed to varying atmospheric conditions. There is obviously a good opportunity, provided a good job is done. That is, other types of product engineering could be pushed with all speed as agreed upon.

XI. Product Packaging

The day is fast approaching when the industry must give serious thought to better methods of merchandising. In this connetion, the higher grades should be packaged and that the lower grades might be "unit bundled" for ease in handling.

They held that there is one thing certain and that is, the industry must be proud of the products which they make and must both trade-name and grade-mark them.

The consensus of opinion on packaging was: that it should be given every consideration by all manufacturers, but it must be considered in the light of the product which they are producing or will produce.

XII. Single Glue Line

Whether or not the entire industry should convert their entire production to a single, exterior glue line, drew some very definite opinions. Starting out with positive statements that one exterior glue line is vital to the plywood industry and that it should be accomplished within the next two years, answers ranged to "why should all of the industry be panelized?"

It was felt that the single glue line would remove one of the most serious handicaps that the industry has encountered in sales, particularly with the farm market. A single glue line would avoid misuses that have caused serious problems. Additionally it was claimed that it would make the job easier for the manufacturer, the jobber and the dealer for inventory purposes and reduce consumer resistance.

Tempering some of the positive approaches, there was also a feeling that from a realistic, economic standpoint the better identification of grades would eliminate past troubles. This, of course, would call for a very extensive consumer identification promotion program. There was some opinion too, that consideration should be given to one glue line, only if it is needed and if the product will reach the market for the same or for less money.

The majority viewed a single exterior glue line as fundamental for the softwood plywood manufacturers.

XIII. Product Engineering

A great deal of engineering progress has already been made by the Douglas Fir Plywood Association's Plywood Research Foundation, as well as by many individual companies. A considerable number of jobber-distributors also maintain engineering departments and are doing valuable creative work.

Increased activity on the part of the Association and on the part of individual companies was recommended by the executive panel.

Some of the specific engineering needs recommended are:

(1) Products that can properly use white speck veneer.

(2) Automation that will speed up, reduce handling and improve products.

(3) Processes which will control grain rise.

(4) Component parts.

(5) Improve surface imperfections from a material that will not crack, expand when dry and that can be exposed to all atmospheric conditions. At the same time it must be easily applied.

MORE SPECIAL REPORTS Page 136

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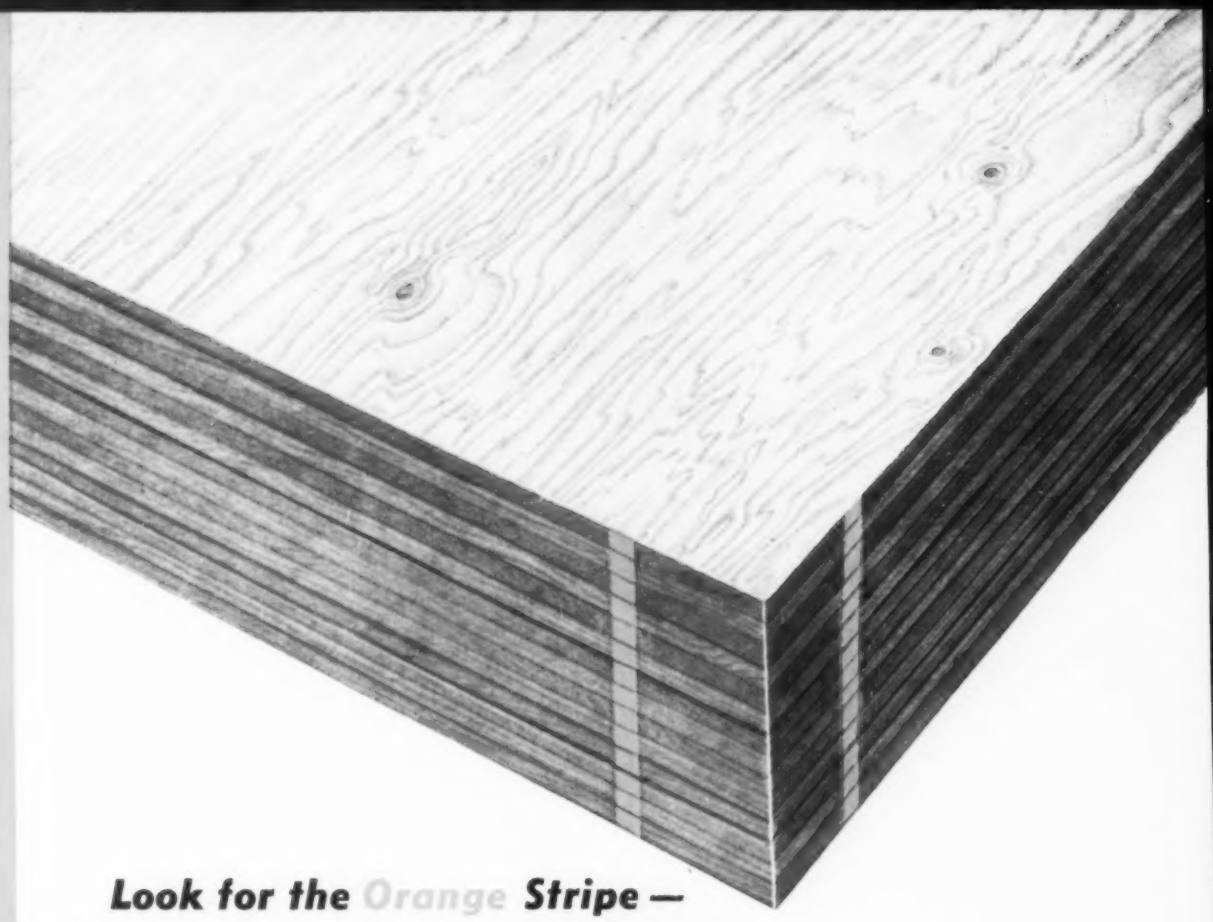

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A New Concept In Plywood Production

A completely new and fresh outlook on plywood production—a new type of basic manufacturing plant —converting plants to make uniform products— automation for greater productivity per man hour.

By J. W. Rankin

In the years between 1943 and 1957 it is variously estimated that man hour productivity for United States industry as a whole has increased at a rate of nearly 3% per year. The employees of steel, rubber, chemicals, and the other great industries are thus, today, producing close to 39% more products per hour than thirteen years ago.

By comparison, records of the fir plywood industry show the average production per man hour in 1943-44 was 90 feet. Today it is estimated at not over 92 feet; a bare 2% gain in 12 years.

This one stark statistic speaks volumes in explanation of the strangely anomalous situation of the plywood industry, which finds itself suffering from low price and overproduction at the very same time when sales are constantly breaking into new markets and setting new volume records each year.

There are now strong indications that the retarded productivity factor is at the root of plywoods' troubles. In turn, the reason for the low productivity seems to be attributable in large measure to failure to advance, technologically speaking, the means of production.

Postwar America has seen an expanding economy in which labor, rightfully, has desired a share in the gains. The resultant rising labor costs, however, when not countered by equally rising productivity, have had the effect of pushing break even points steadily upward. It is by this path that more than a few plywood mills have found their break even points to have risen until they coincide with full capacity production. The flexibility needed to conform to the cyclic patterns of business has been lost, and severe economic dislocations have been inevitable.

Cut Costs To Survive

The industry is thus left with one obvious course. It must scramble to catch up in the field of technology, and through technology cut costs back

Mr. Rankin is sales manager of the Seattle, Wash., plant of United States Plywood Corp., with responsibility for administration of product development as well as sales. He was formerly production manager and cost accountant for U. S. Plywood. During World War II, he flew navy night fighters in the South Pacific. He is a graduate of the Harvard business school and a member of the Forest Products Research Society.

to a level where break evens go down and production volume can be controlled on a sensible basis. The industry can then conform as necessary to normal business cycles and market conditions while still operating at a profit.

This can be accomplished, for the fir plywood industry is far from moribund.

As industries go, it is young and vital with large reserves of strength, and there is every reason to believe that by striking a bold course it can recoup a strong position.

The future progress of plywood will depend on many new machines; enough so that a plywood worker earning $2.50 per hour can produce in competition with his overseas counterparts earning one-fifth as much. This is a big order and will require large transfusions of capital into the industry. Long overdue, comparative figures show the investment per worker in plant and equipment in the lumber and wood products industry currently to be less than half that for United States industry as a whole.

As soon as the need for mechanization and technological advancement is recognized, it will proceed in spite of hardships, but it will go forward more smoothly, to the benefit of all concerned, if it receives the support of labor as well as management. Versatility and acceptance of change will be important, and labor can serve its own cause well by alerting outmoded seniority policies to better fit the needs of the times.

Technological Breakthrough

Because of the conglomerate of grades, types, sizes and thicknesses which the market supposedly demands, it has been pointed out that plywood production is highly complicated. As this argument goes, each piece of veneer must be individually inspected and handled, sometimes several times, in order to determine the grade potential, and there is no way to replace the human factor in this complex procedure.

True mechanization, on the other hand, demands extreme simplification because machinery cannot exercise any but the most rudimentary types of judgment. Machines can work at high speed on repetitive and sequence type operations, but there are only efficient when permitted to operate for long periods of time at a single setting. Automatic machinery, therefore, tends to be non-versatile. Yet, versatility—the ability to swing back and forth within a wide range of products—has been a basic fact of plywood production.

Reconciliation of these apparently divergent circumstances may not seem possible in terms of the present understanding of production methods. What is needed is a new concept—a fresh frame of reference within which both the market situation and factory mechanization will be compatible.

. . . Fluid Power news

REPORT No. 11,501
HIGH-SPEE FEED TABL DRIVE AND CONTROL

From Oilgear Application-Engineering Files

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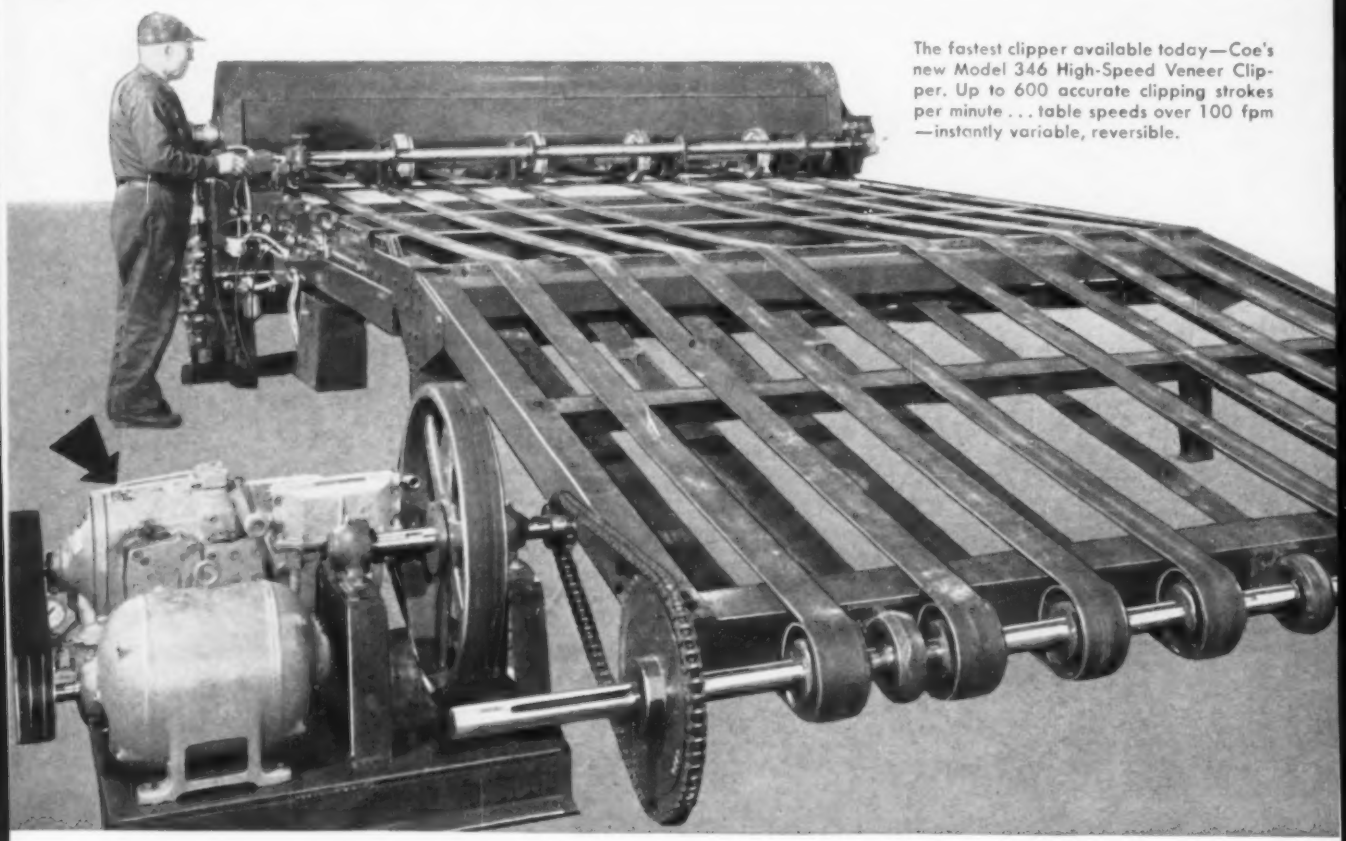

The fastest clipper available today—Coe's new Model 346 High-Speed Veneer Clipper. Up to 600 accurate clipping strokes per minute . . . table speeds over 100 fpm —instantly variable, reversible.

SOLUTION: Shown above as standard equipment on Coe's new Model 346 high-speed veneer clippers are Oilgear heavy-duty DHC-88, two-way, *Any-Speed* Transmissions. Coe reports, "Variable table speeds are instantaneously afforded in forward and reverse. These drives are arranged to give belt speeds from approximately 70 to 175 fpm by movement of a single lever. The quick stop and reverse of this drive is very desirable if ragged or defective veneer slips and jams at the knife. This drive is equally desirable when the table drive is used to unload veneer storage decks between the clipper and the lathe." Oilgear *Any-Speed* Drives bring out the best in machines due to the many other "plus" features such as: cushioned power; automatic overload protection; automatic electric power conservation; totally sealed—safe in hazardous atmospheres; constant torque; automatically self-lubricated to insure long, trouble-free life.

Machinery manufacturers and users agree that for superior heavy-duty performance on sawmill carriages, gang-saw feeds, conveyors, capstans, winders, centrifuges, textile, paper, tape, rubber, and food processing equipment—it's Oilgear . . . for the lowest cost per year!

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The New Production System

As an example, a system can already be fairly well outlined that starts with a straightline automatic layup plant making a single type of plastic-filled core panels in a minimum variety of thicknesses and sizes. These would be low in cost with solid faces, suitable for further processing in a separate facility which would "convert" the panels, by means of overlays and splicing and cutting to meet the myriad demands of the market.

We must not lose sight of the fact that this or any other really new concept cannot be confined by preconceived limits or scope. Each new development will lead to others; and none can tell what additional new products and processes will ultimately emerge. It is only certain that the important step to take is the first step.

Uniform Raw Material

The continuous automatic production techniques that need to be introduced require a major alteration in raw material. Plywood cannot be processed automatically when production starts with a non-uniform raw material, the log, from which develops a constantly variable and unpredictable mix of veneers.

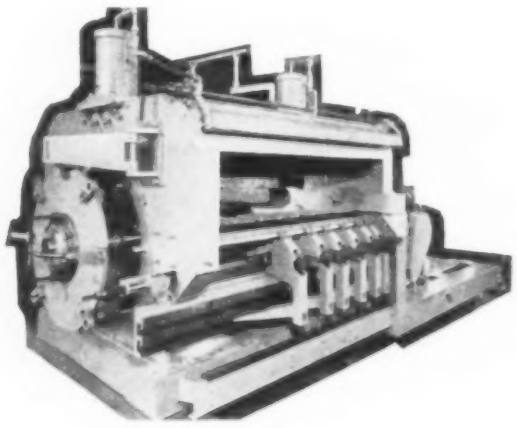
Under established conditions the non-uniformity of the veneer is corrected by many stages of clipping, sorting, plugging and edge gluing. In the automatic plant, these operations, which are mostly manual, must be replaced by a single operation of machine patching. Fortunately, techniques have already been developed which continuously fill veneer webs with thermo-setting plastic compounds and will soon permit fully automatic homogenization of all veneer peeled irrespective of log grade output. (As an interesting side light, tests in one plant have demonstrated that the non-selective green clipping system associated with continuous veneer filling results in approximately 20 to 25% improvement in the recovery factor; a highly desirable achievement in itself.)

It becomes readily apparent that once the question of grade is set aside, nearly every operation in the factory can become more automatic. Green veneer, clipped to a few standard sizes, needs to be segregated only according to sap and heart, and this selection can be accomplished electronically. Dryers are fed on a fully automatic basis and dryer speeds controlled by feedback mechanisms to insure maximum continuous output. On the dry end, the veneer is edge-glued continuously with the edge gluer feeding directly into the veneer filling machinery. The uniform web of veneer which issues forth lends itself to automatic layup, pressing, unloading and sawing. The machinery to perform most of these operations already exists, assuming a few modifications, and it will be in the transfer device which moves the veneer and panels from one stage to the next where the greatest opportunities for ingenuity lie.

The principle of "automation" is nothing more than the mechanical sequence movement of materials into and out of processing machinery, and there is much the plywood industry can learn in this regard from printing and other industries which handle sheet materials by vacuum lifting and transfer devices. In fact the newly expanded particle board and hardboard industry offers a good example of automation in panel handling.

The Converting Plant

Industries which manufacture or process commodities seem disposed to evolve into two-stage processing. Generally the primary manufacturing plant processes the base raw material into semi-finished form such as pig iron from ore, grey goods from wool, Kraft paper from pulp. These commodities then move to the secondary or converting plant where they are prepared into marketable form by rolling, drying, printing and hundreds of other treatments.



FINE Sawmill Machinery

12'x60" and 12"x72" Edgers installed during September at Weyerhaeuser Timber Co., Mill "B", Everett, Wash. This same heavy duty Edger will be found at Arcata Redwood Co., Arcata, Calif. and Orick, Calif.; Simpson Logging Co., Shelton, Wash.; Roseburg Lumber Co., Roseburg, Oregon; Booth-Kelly Lumber Co., Eugene, Oregon, and many others.

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I. W. JOHNSON ENGINEERING CO.

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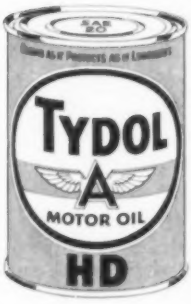

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LITERATURE ON REQUEST

It is only natural for fir plywood, which is also a commodity, to accept this pattern of production. In fact, the plywood converting plant offers unique possibilities for actually expanding the variety of end products available to the market without interference with the low-cost high-production principle of the primary plywood mill. The latter's function is to turn out cores in a few standardized sizes and thicknesses. These will be received at the converting operation in the rough where they will be handled on a production line for overlayment with decorative veneers, impregnated paper, metal skins, or whatever is required on the final order. Preferably, in order to achieve good production flow, actual laminating operations will be accomplished with contact adhesives and pinch-roll type pressing. The general principles for continuous pinch-roll pressing have already been established by the Kraft paper-veneer mills, and needs only adaptation to become suitable for panel processing.

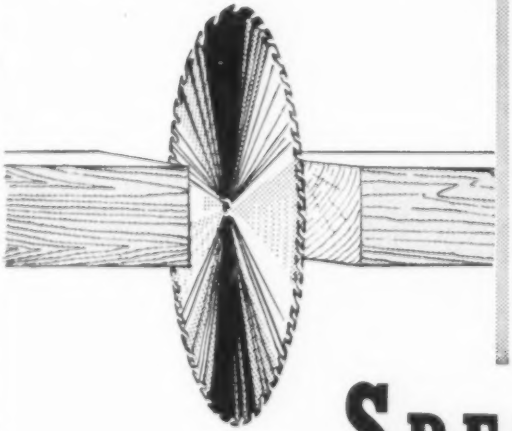
Beyond the re-lamination function, the converting plant will scarf or finger joint to achieve wide widths and long lengths and will resaw to obtain narrows, shorts or special order sizes. It will sand and inspect, and perhaps also machine and partially fabricate to customers specifications.

The ideas outlined here may or may not be the ones that finally evolve from the present needs of the industry; it is only certain that change and progress are bound to occur. To some this will be an opportunity to be grasped; to other, less willing to adapt, it may mean a slow withering on the vine. In any event, the future will be interesting.

•

• Lakeview Lumber Products Co., Lakeview, Ore., plans construction of a 36x200-foot cooling shed.

Taking a bite out of your costs



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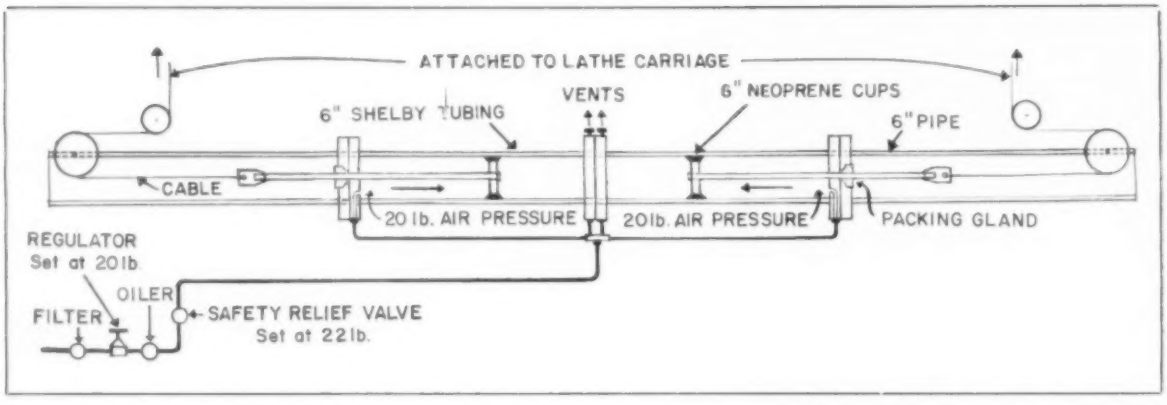
PRESSURE equalizing bar on 10-foot Bamford lathe at Simpson Logging Co., Lyons, Ore. plant, maintains 20-lb pressure through 6-inch cylinder. When carriage pushes into block it pulls pistons back putting constant pressure on feed screws, eliminating play.

Pneumatic device
on veneer lathe gives

Constant Carriage Pressure



Problems of thick and thin veneer caused by play in the lathe carriage, particularly during roundup, were solved by Jerry Wilson, plant engineer at the Lyons, Ore., plywood plant of Simpson Logging Co.

His solution is a pneumatic takeup device which provides constant pressure on the carriage, pulling against the threads of the carriage feed screws and eliminating play in the threads. Although some adjustment is possible, a certain amount of play remains when threads become worn and this device eliminates that problem.

Wilson mounted a piece of 6-inch shelby tubing across the entire width of the back end of the lathe. Inside this tubing run two rods, one from either end, with six-inch Neoprene cups mounted on their inner ends. These rods, each of which has a 42-inch travel, pass through an air-tight packing gland on each side of the center of the tubing.

Compressed air, at 20-psi, is introduced between the packing glands and the cups. The air is fed through a center "T" for pressure equality on both sides.

Cables which pass over two idler sheaves and secured to the carriage are attached to the outside ends of the rods. As the carriage is taken into the block it pulls the pistons back. The 20 pounds of air in the cylinders thus provide the constant pull against the threads.

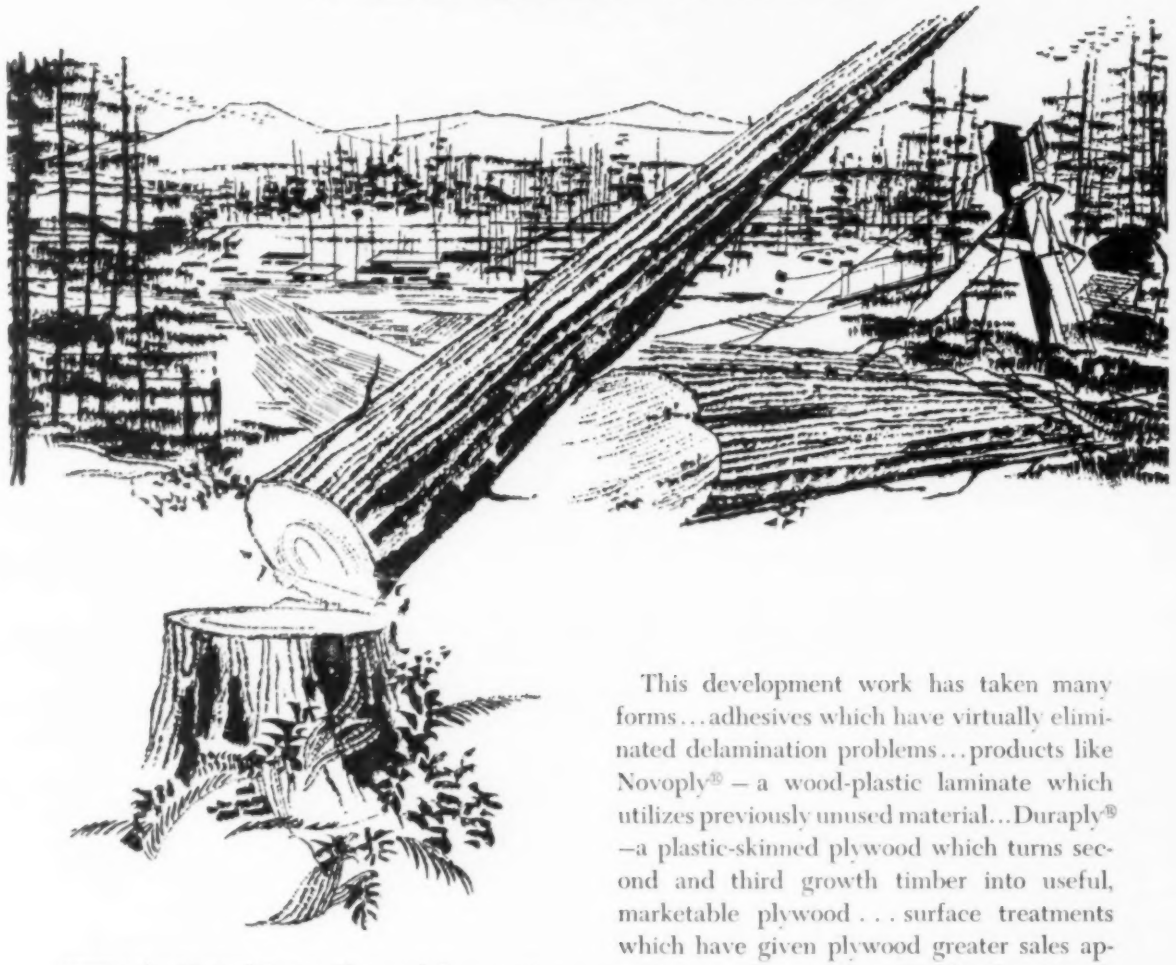
The center of the tubing is vented to take care of pressue and vacuums encountered on the opposite sides of the cups.

Air is brought to the system at the plant pressure of 100-psi and is reduced to 20-psi by a pressure regulator. A relief valve set at 22-psi takes care of excess pressures when the carriage is taken into the block.

According to Wilson, the installation which was made last May, has measurably decreased thick and thin veneer produced. A similar system was developed by Ralph York at Cascades Plywood Corp., Lebanon, Ore.

SCREW on carriage feed and equalizing air cylinder at right. Maintains constant pressure. Note the cable attached to the carriage.

There's more in a log than just wood



To the United States Plywood Corporation a log is not just a quantity of wood to be processed and sold. Rather it is our means for creating new products for the American people and new markets for the entire wood industry.

For almost 40 years we have engaged in research that has developed just such products. It has also resulted in a more efficient utilization of our timber resources.

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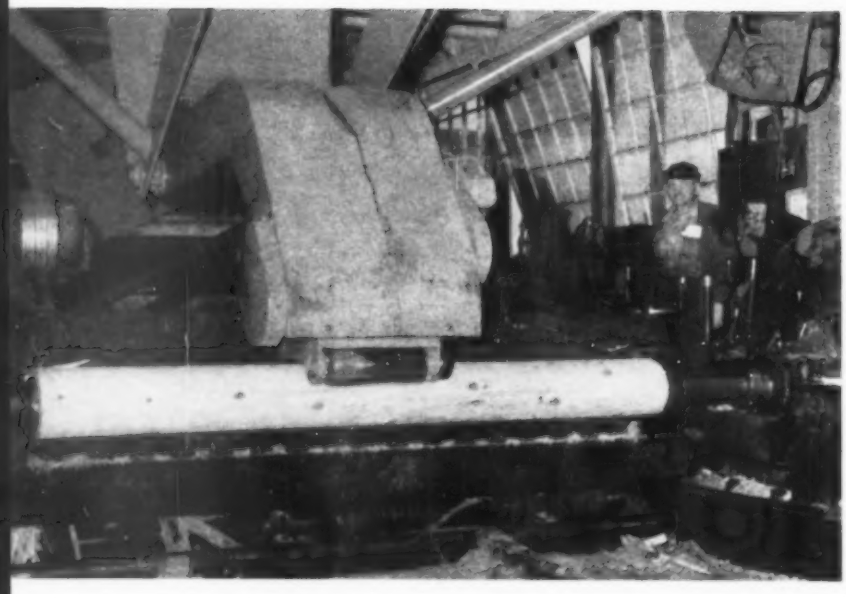


BACK-UP roll use shows how peeler is turned down to small diameter and held in round position. Fabricated-steel head mounts two separate steel rollers powered by hydraulic motor.

Peeling to smaller diameters with

LATHE BACK-UP ROLLS

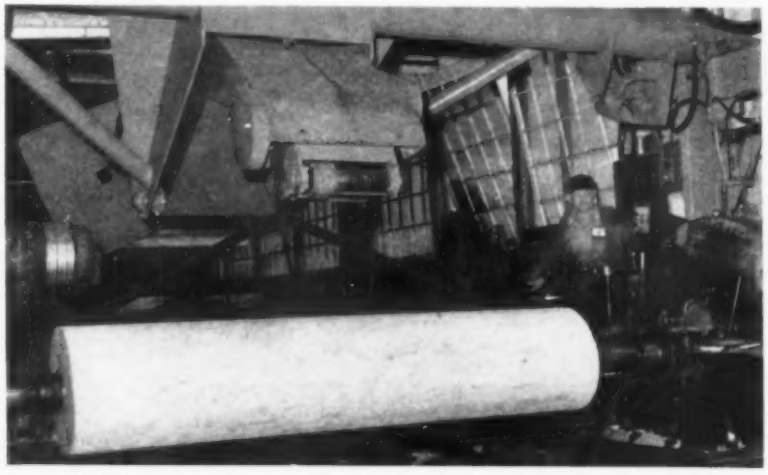
Back-up rolls installed on lathes at Canadian Forest Products, Ltd.'s Pacific Veneer Division, New Westminster, British Columbia, are proving profitable in several ways: More and better veneer from each log by peeling down to smaller cores; no time loss in changing lathe chucks; valuable in training better lathe operators.

Basic reason for installation of back-up rolls is to combat the tendency of the veneer knife to press the cylindrical peeler core into a cigar shape. Without pressure to counteract knife pressure, the block tends to be pushed out from the knife with resultant thick and thin peeling of veneer.

On the 10-foot lathe, the back-up roll bracket is suspended from a heavy overhanging steel bracket. This bracket swings up and out of the way to make room for the hoist bringing in the next block. The eight foot lathe has an underslung charger and the back-up roll does not get in the way as the peeler is being chucked.

Here are the important features accomplished by use of the back-up rolls on two of the company's four lathes:

- Not necessary to change from large to small chuck. With back-up rolls small chuck serves effectively. A 7-inch chuck makes a 7⅜-inch core possible. An important time saver as well as greater recovery.
- When peeling down to small diameter core, veneer holds firm in a full sheet without cracking, balling up or falling apart. It is possible to get a full 4x8 sheet out of the last six feet that comes off the core.
- Hydraulic motor on the rolls helps provide torque for the turning of the core.
- Operators learn more about peeling today's knotty logs because they pay attention to peeling the difficult part of the log. This means they must take better care of the knife.



THE OPERATOR is shown here temporarily raising the back-up rolls into a raised position, demonstrating how clearance space is provided for hoist during chucking.

Releasing skilled men for other operations!

It's just simple arithmetic. Given a Gerlinger Fork Lift Truck, one man can do the work of many men. Faster, easier, safer, too. Result is *extra manpower available* for lagging operations in plants, mills and warehouses throughout industry.

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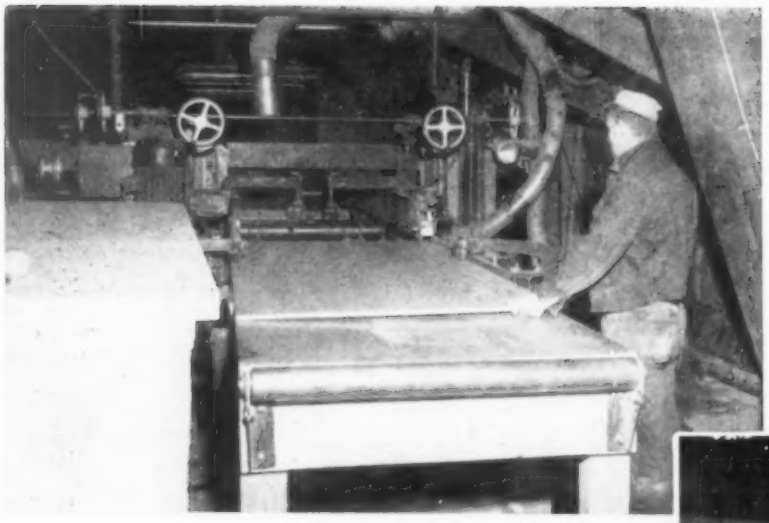
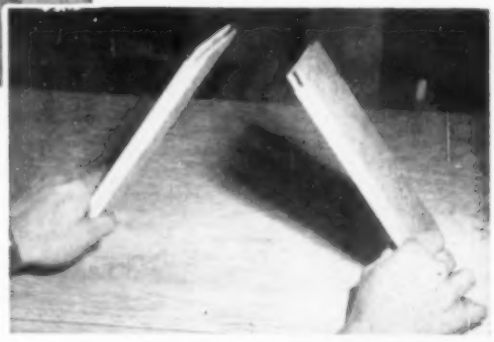


LEFT is Jenkins tenoner which fingerjoints plywood in process. Panels being edge-jointed, but machine also works ends when required. Two-man operation, one feeds, one offbears.

BELOW finger-joints are shown. Tongue is 21/32" long, ¼" wide at root with 50° slope. .014" width at top. Tolerance in joint allowed for glue.



Developing Special Orders

by Finger Jointing

FINGER JOINTING has been added to the long panel department of Diamond Lumber Company's ply plant at Tillamook, Ore., to develop new special orders.

According to plant manager Eugene Knokey, the finger-jointing will produce unusual sizes as well as provide a means of producing long panels in the less-expensive grades. Diamond has been producing scarfed panels in the higher exterior grades for several years.

No loss of material is experienced in the process. Jointing can be done either on the edge or ends of the panels to produce either four-foot or eight-foot panels of any length desired.

Only special handling required for the finger-jointing is to saw panels to be jointed 21/32-inch wider, or longer, on the sizing saws after pressing.

The finger-joints are produced by rotary horizontal cutting heads on the versatile Jenkins tenoner installed in the main plant. After the joints are sawed, the panels are moved by lift truck to the nearby scarfing building where they are placed on a Globe scissor lift serving the feed end of the company-built press.

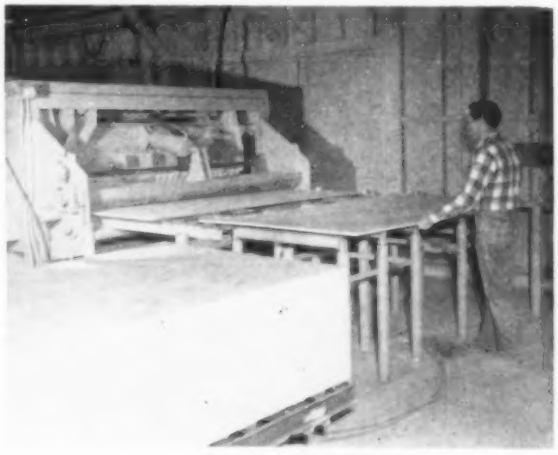
A urea resin glue with the high gap-filling qualities is used for jointing interior panels, with a melamine used

(*Continued on page* 128)

GLUE SPREADING is done by air-pressure and fitting. Machined fitting shaped as finger-joint, but slightly smaller for clearance. Glue flows through slots.

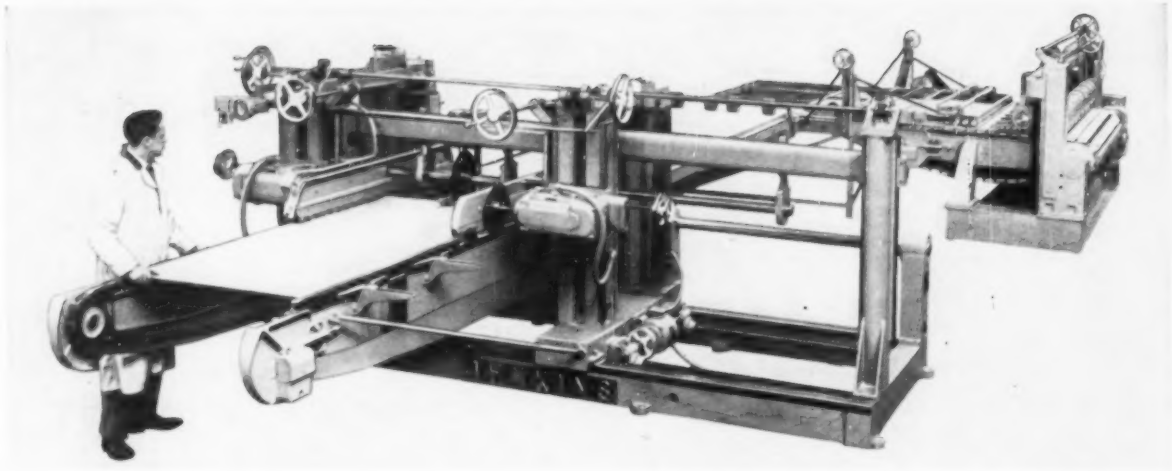
JOINTING is done by horizontal heads on the tenoner. No loss of panel size is experienced in finger joints. Two-piece heads have 10 Carbaloy inserted teeth on each piece. Machined down from 1-inch. Heads run at 3600-rpm.

RIGHT is feed end of Diamond-built press. Air cylinder applies lateral pressure through cammed roll to butt joints together before press engages.

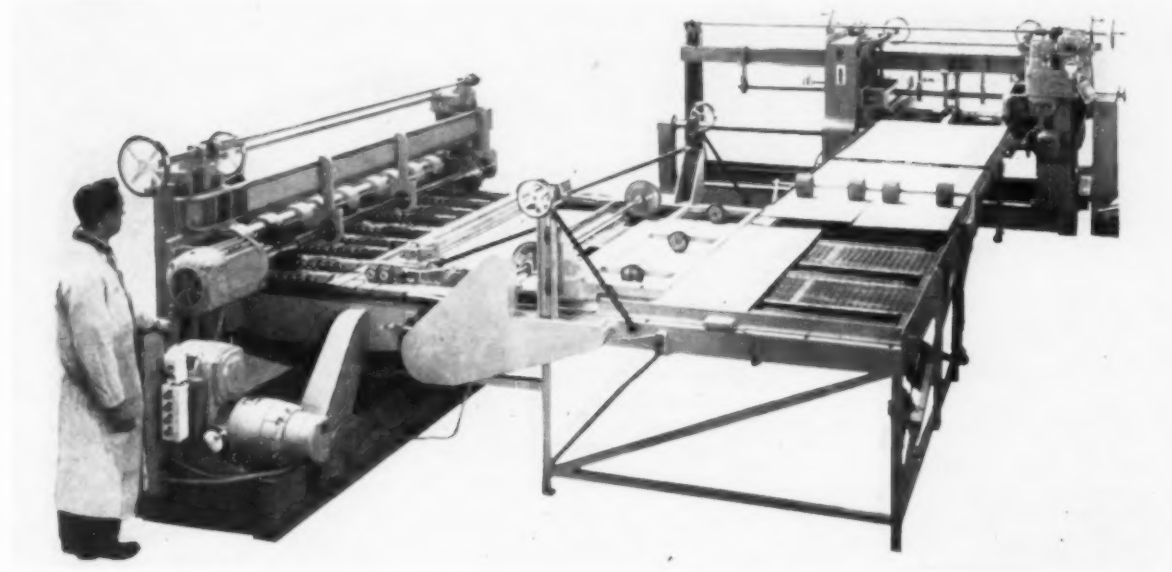


NEW Jenkins Right Angle Transfer Unit

New Combination of Trim Saw . . . Transfer Table and Multiple Cut-Up Machine



Trims . . Splits . . Transfers . . Squares . . and Feeds Solid or Split Panels Automatically to Multiple Cut-Up Machine



- **Continuous panel flow . . . no problems of intermittent feeding or synchronizing.**
- **Minimum labor costs . . . no off-bearing, stacking, or handling between machines.**

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- *Air-operated Infeed Carriage with fully integrated control panel*
- *Power-driven, self-aligning Infeed Roller Case for cants*
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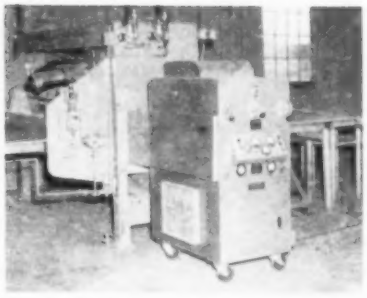

MANN-RUSSELL radio frequency generator is used on press. Lateral pressure roll at offbear side of press works against roll on feed end to butt joints. Two men operate machine. Glue-line every 30 seconds.

Finger Jointing

(*Continued from page* 126)

for exterior. The glue is spread with an air-pressured fitting. When edge jointing is being done, one man feeds the machine, but end-jointing allows press-capacity for two lines, side by side. This requires two feed-men. A single man offbears.

As the panels are fed to the press, the feedman hits a foot-switch which actuates air-pistons on the side of the machine, pushing the panel against a straight-edge. He then hits another switch which actuates air-cylinders pushing a cammed lateral pressure roll on each side of the press, butting the joints together with a 35-psi pressure. An instant later, the pneumatic press comes down on the joint with 100-psi pressure. Radio-frequency glue-setting is used with a glue-line set every 30 seconds.

Each following panel is fed to a point where the jointed panel either hits a stop on the offbear end of the press, or to a point where the new panel's edge passes a gauge-mark, indicating the joint is in pressing position. If the pressing position is reached, the joint is pressed.

If the panel's edge hits the stop, the feed man actuates the cut-off saw which automatically cuts the panel to length and the saw moves back to its starting position. An air-motor is installed on the saw guide bar which moves the bar along a guide built on an arc where pre-set stops allowing setting the saw to cut angle up to 45° for such use as gables. The panels are finish-sanded following pressing.

End-Branding Installed

Equipment has been installed at Crestbrook Timber Ltd. mills in Cranbrook and Wardner, B. C. to double-end smooth trim lumber produced and to wax and brand the "Pack River Qualitized" trademark on one end.

LOC-WALL: Idaho White Pine and Inland Red Cedar in Formal and Traditional styling; Larch in Formal styling. Plywood Panels look like individual boards of random lengths and widths, edge and end-Vee'd. Also produced with Gruve-Ply pattern. Interlocking furring strips are already attached.

GRUVE-PLY: Idaho White Pine or Knotty Cedar plywood produced with surface carefully sliced like the most expensive imported woods. Looks like individual boards side by side. Goes up quickly, economically. Pre-grooved edges give uniform joints, eliminate need for moulding.

Weyerhaeuser 4-SQUARE

LUMBER AND BUILDING PRODUCTS

NU-WALL: Ponderosa Pine paneling with random Vee'd horizontal end-matching. Kiln-dried and packaged to specified 7′ or 8′ lengths. Comes in Formal (clear), Traditional (small to medium knots) or Contemporary (medium to large knots) styling. Preselected in desirable lengths and widths.

Loc-Wall, Gruve-Ply, Nu-Wall Panelings

Basically better because . . .

● Wood paneling is more popular than ever with consumers these days. These three panelings from Weyerhaeuser will help meet this demand. Each style is carefully manufactured, designed for customer appeal, and packaged for added dealer profits.

All three panelings come in special cartons which protect the wood from dust, dirt, and damage. Packages are easy to handle, easy to store, easy to inventory. Customers appreciate the way these panelings arrive on the job with their natural beauty unmarred, all ready for quick installation.

Investigate Loc-Wall, Gruve-Ply, Nu-Wall, and the other fine Weyerhaeuser wood panelings. For full details, consult your nearest Weyerhaeuser 4-Square Sales Representative.

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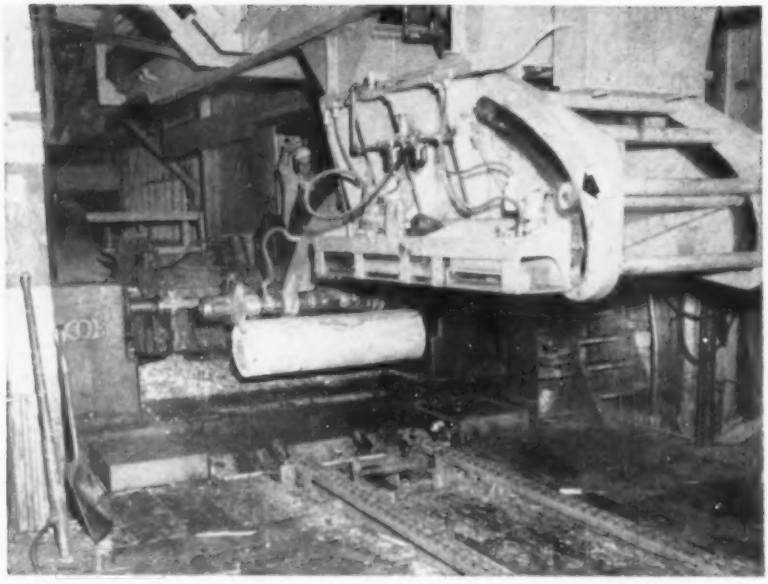
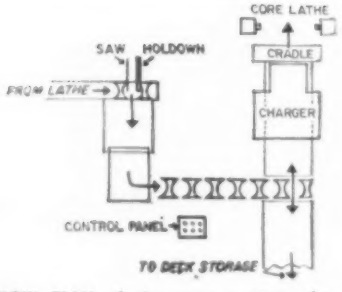
Core handling is speeded up by a

Core Block Charger System



FAST MOVING overhead core charger is controlled by lathe operator. Core chucks are properly positioned through action of lever arm and end of carriage which travels in slog (shown by arrow). Pre-centered, the loading action is fast and very accurate.



FLOW PLAN of the core system shows details of the equipment positioning.

Automatic handling of cores for the Coe core lathe at Umpqua Plywood Corp., Roseburg, Ore., has been accomplished through installation of an unusual core charger and other equipment, developed by Victor Anderson and Walter Berger of the C-F Machinery Co., Springfield, Ore.

The system begins with the core-transferring from the main lathe and extends through to the self-centering, overhead, hydraulic charger.

Cores are conveyed by chain from the main lathe to a steel stop plate, placed for correct core length. The operator hits an action button and hold-down dogs grip the log while it is being bucked. The saw then comes down automatically, cutting the core to length. Upon completion of the saw cut, the hold down and the saw automatically lift and the chain is activated, carrying the first section across a transfer chain to a limit switch which drops the chain. This allows the rolls to move across to the chain which feeds either to the charger or in the opposite direction to the deck storage.

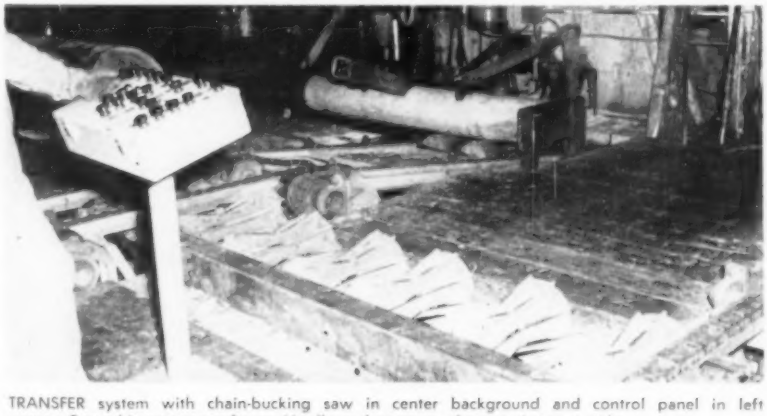
The other half of the core is moved across and follows the same cycle. All chains and rolls from the saw to to the storage deck and charger feed, start and stop automatically.

Cores to be fed to the charger are chain-conveyed to a cradle in front of the lathe. The charger, a specially built hydraulic and electric unit, runs on overhead rails. It is controlled by the lathe operator. The charger head reaches down, senses the size of the core and moves the chucks in to grip it firmly on both ends. A precision engineered curve on the unit pivots the core into pre-centered position for the lathe.

An air ejector on the lathe, kicks the peeled cores down a chute to slasher saws to be cut into 16-inch fuelwood lengths. The whole operation is accomplished by two men, one operating the deck saw controls and the other operating the lathe.

Plant manager, G. S. McCarthy, says the rapid centering and positioning of cores is most important to obtain maximum useable material in the minimum of time involved.

The entire core handling system was designed as a unit to smooth out the movement and reduce hazards of handling both blocks and peeled core in the head end of the plant. More production per-man-hour and substantial cost reductions were realized by the company.



TRANSFER system with chain-bucking saw in center background and control panel in left center. Cores hit stop, transfer to V-rolls and cross to charger chain at right.

More wood recovery per log with

Retractable Chucks

Equipped with retractable chucks, the 56x30-inch Jackson core lathe at S. M. Simpson, Ltd., Kelowna, B.C., has resulted in substantial recovery increase. The average additional recovery of 184 sq. ft. from a 22-inch block may be realized.

By turning down to smaller sizes, allowed by the inside 4½-inch chuck, an additional savings is realized by not having to rehandle the blocks.

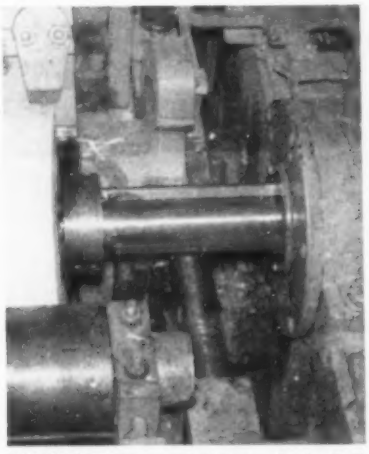
The retractable chucks operate on two phases. As the block is peeled down the outside 10-inch chuck automatically retracts without slowdown or loss of lathe time, leaving the 4½-inch chuck securely holding the smaller core. The core may be turned down to 5½-inches before being ejected.

The problem at Simpson is the handling of small old growth Douglas fir, logs averaging 15 to 20 inches in diameter with tight wood down to the heart. Peeling close is justifiable due to the high quality of the wood.

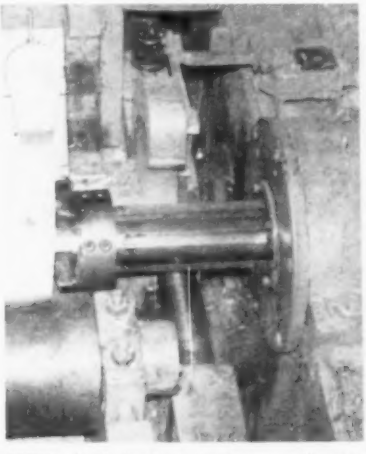
Several size combinations of chucks can be used on the retractable chuck. Simpson uses the 10-inch outer chuck and the 4-inch inner chuck combination. This permits secure holding of a 50-inch block and peeling to 4½ inches.

COMPARISON shows the small size core that may be obtained with small chuck.

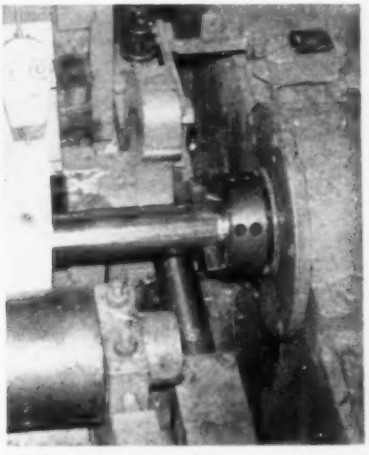
The backup roll maintains even pressure on the knife, synchronized through hydraulic cylinders. The roll may be taken out of contact with larger diameter logs and replaced for use with the smaller diameter cores to prevent barreling.



SHOWING the outer and inner chucks both in place holding the block at full speed.

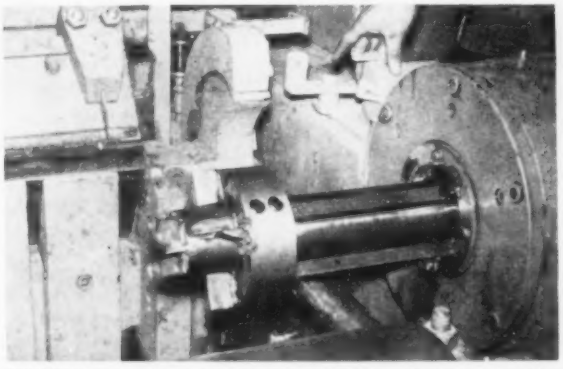


OUTER chuck begins retracting as diameter of block is reduced to minimum.

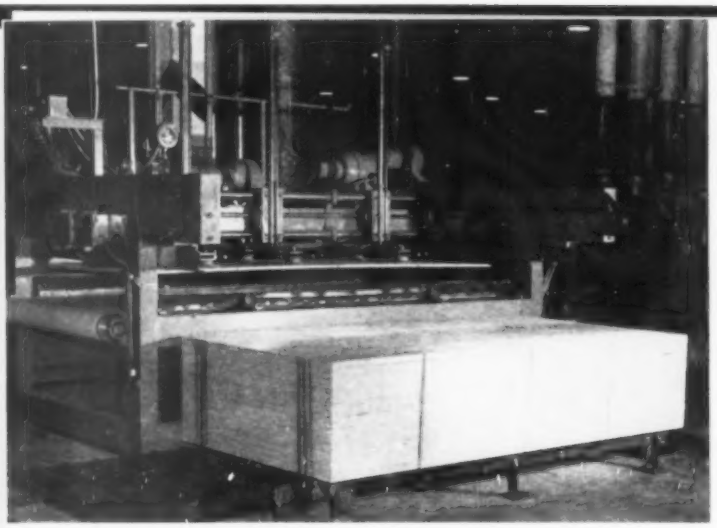


OUTER chuck is now fully retracted out of way of inward moving knife.

CORE lathe being charged. Note retractable dual-cylinder control at right. Thrust load for each chuck is independent.



SHOWING outer chuck starting to retract with small chuck in position to hold block for peeling to minimum core size.



VACUUM SHEET FEEDER

A vacuum sheet feeder installed at St. Paul & Tacoma Lumber Co., Tacoma, Wash., has eliminated the need of a sander feeder as the sanderman is now able to take care of whatever attention the feeder may require.

The machine consists of a fabricated steel framework placed directly before the sander. A carriage travels horizontally from a position directly in front of the sander to a position to one side. An endless belt is located inside the feeder proper and leads up to the infeed table of the sander. Idle rolls feed stock to the feeder.

An operator starts the machine's cycling sequence by pressing a start button. A vacuum cup assembly, consisting of cross arms mounted on vertical arms which raise and lower through a rack and pinion drive, is mounted on an overhead carriage. This carriage moves into position over the stack of plywood and the vacuum cup assemblies are lowered.

The cups form a seal by vertical pressure. A vacuum cup exhausts the vacuum system and as proper vacuum is completed, a pressure switch reverses the vertical driving motor and the sheet is raised to a position clearing the infeed conveyor. The carriage then moves horizontally to the holding position over the feeding conveyor.

At this point, the vacuum is interrupted and a sheet drops onto the endless belt conveyor. The sheet is moved ahead to the infeed rolls of the sander and the carriage moves horizontally back over the stack of plywood beside the machine.

The cycle is repeated and the carriage returns to a position over the belt conveyor with the next sheet. This sheet is held in position until the preceding sheet on the wide conveyor belt has completely cleared the feeder.

This belt is over-running the speed of the sander, allowing the second sheet to catch up.

FULLY AUTOMATIC **HANCHETT** BAND SAW SHARPENER

1. Perfect Performance - Tremendous Power
2. Precision Accuracy - Long Life
3. Accessible - Easily Adjusted
4. Powerful Straight Line Feed Action to Saw Teeth
5. Ball Bearing Head - Smooth, Vibrationless (M. D.)
6. Head Slide has Hardened Ways (Dust Sealed)
7. Base - Heavy Steel Fabricated (40" to 57")
8. Guaranteed Performance

COVEL SAW SHARPENERS HANCHETT KNIFE GRINDERS

HEAD ASSEMBLY
Ball and Roller Bearing

CAPACITY

Band Saws
up to 16" wide
Tooth Spacing:
1" to 3½"
Speed:
32 Teeth per Minute
Adjustable to feed in either Swage Cup or Gullet of Teeth

MODEL 250

FRONT VIEW
HEAVY DUTY DESIGN

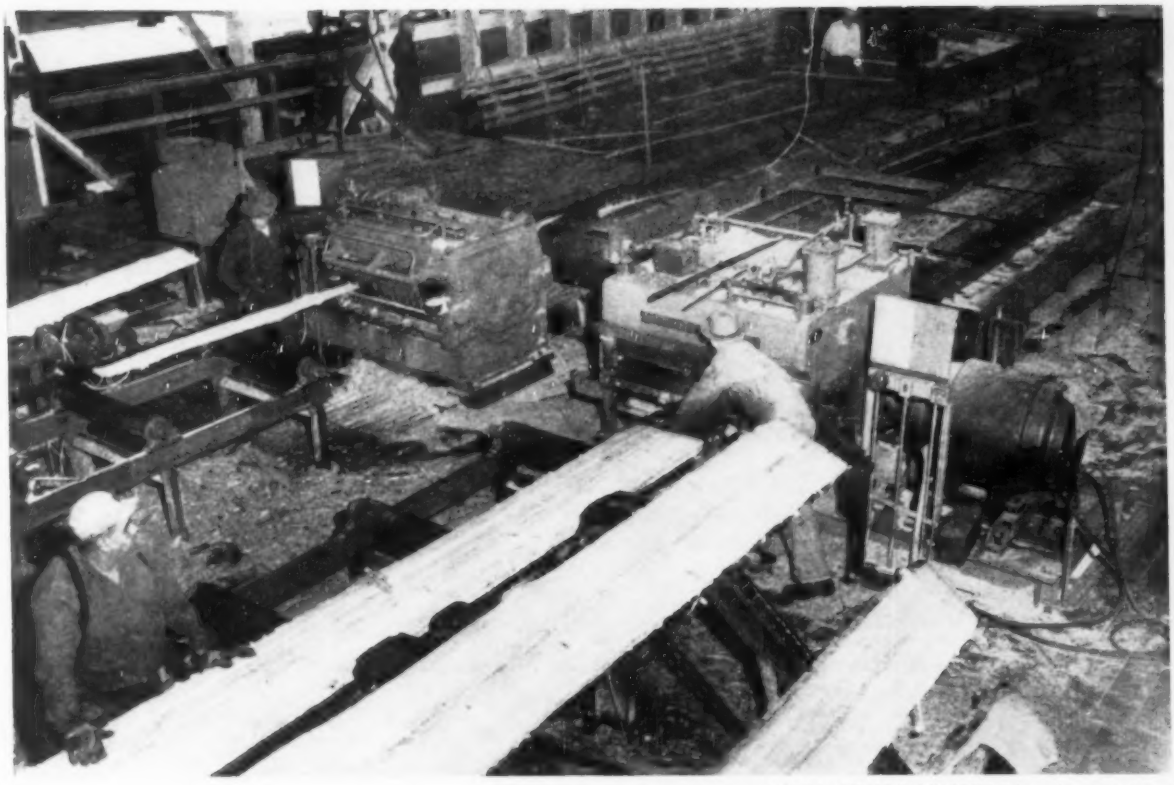
OTHER MODELS—All sizes and types for all Band, Gang and Circular Saws, plus complete Filing Room Accessories

HANCHETT GRINDERS BIG RAPIDS MICHIGAN

HANCHETT MANUFACTURING COMPANY

World's Largest Manufacturer of Knife Grinding and Saw Sharpening Machinery

MAIN OFFICE — Big Rapids, Michigan WEST COAST — Portland 1, Oregon



PORTLAND IRON WORKS Edgers in operation at POPE AND TALBOT'S, Port Gamble, Washington, plant. Standard Edger on left, Precision Edger on right.

"precision" edgers with profit power!

Engineered to exacting tolerance, designed with a preciseness found in the world's most *sensitive* machinery, PORTLAND IRON WORKS "Precision" Edgers are built to outlive your mill.

Maintenance costs are nil. Parts are readily accessible though tightly enclosed with flush fitting covers. Simple, but incredibly powerful, accurate and enduring. 8" or 10" capacity, PORTLAND IRON WORKS "Precision" Edger is of clean, trouble-free design.

A massive frame of finest steel provides stability under toughest known operating conditions. This inherent strength, the precision fitting of each part, and design based on seventy-five years' experience, provide a production pushing mammoth. An investment in a PORTLAND IRON WORKS Edger pays daily dividends for the life of your mill.

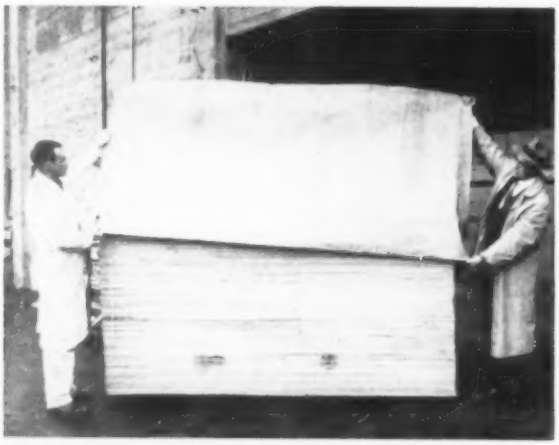
PORTLAND IRON WORKS INCORPORATED

1335 N.W. Northrup Street
Portland 9, Oregon
CApitol 7-1107
Teletype PD565

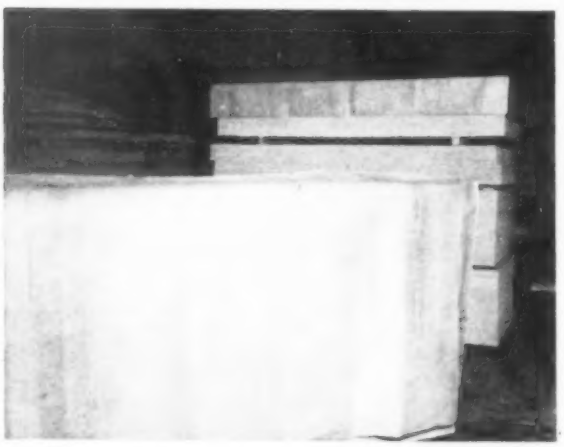
experience is our best designer

ENGINEERS
MACHINISTS
FOUNDERS
ESTABLISHED 1882

Cover Your Panels . . . . It's a good practice because it



COVERS FOR PLYWOOD produced by Portco Corporation in Vancouver, Wash., are of ample size to slip easily over the stack, as shown above. In the photo below, the cap for the stack is shown in the stack to the rear. The covers and caps are of reinforced, weatherproof Sisalkraft paper.



OUTSIDE STORAGE is possible at the plant of Canadian Western Lumber Co. in New Westminster, B. C. through the use of VisQueen polyethylene sheets. Some preparation of the stack is necessary as shown in the above picture.

- Eliminates down grading
- Protects from pilferage
- Eliminates need for additional storage sheds
- Provides quick identification
- Simplifies inventory control
- Identifies yard with quality

Desire of manufacturers to place a more attractive product in the hands of the user, along with the growing use of mechanical handling, are prompting developments in the use of protective coverings for veneer and plywood.

Weatherproof covers and caps for plywood panels produced by Portco Corporation, Vancouver, Wash., offer a maximum protection. Both the cover and cap are preformed of Sisalkraft Fibreen 233, a laminated, reinforced weatherproof paper with a treatment on the outer face for wet-strength. This insures reusability of the items. They are also triple reinforced at the bottom edge as well as reinforced at corners.

The covers fit in particularly well with lift-truck loads, protecting the packages at the mills, yard, jobsite.

Both covers and caps may be printed, one or two colors, for identification or sales appeal. They are available in any size, but standard covers have a 45-inch height and a 11-inch high cap. Both are manufactured sufficiently oversize to facilitate easy placement on a stack.

Plywood is well protected from the weather at Canadian Western Lumber Co.'s plywood plant in New Westminster, B. C., with a black polyethylene. Limited undercover storage space prompted plant officials to use the polyethylene to protect stacks in the yard.

The VisQueen plastic used comes in rolls 26 feet wide and 190 feet long. The panels are stacked by fork lift, four loads high. All panels stored in the open are sheathing with waterproof glue line.

Another covering operation which means a better end product is the simple application of Fibreen 200 to the top of veneer stacks to prevent air checking.

At Drain Plywood Co., Drain, Ore., a sheet of the asphalt-reinforced, waterproof paper is placed on top of each veneer load and tucked under about three inches down the load. Protective stickers are applied and the stacks strapped.

Where previously as many as 18 sheets has suffered down grading due to air checking, the use of the Fibreen now keeps the veneer in good shape for as long as six months while in storage. The savings in preventing the downgrading of the 18 sheets per bundle can run to $200 a car.

Drain Plywood believes the use of asphalt impregnated paper is not only adaptable to retain the moisture in the bundle, but also protects from dirt while in transit. The firm plans to continue use of the paper when it starts plywood manufacturing.

Leading Architects

Design Prefab Homes

1957 Sales estimated at between 90,000 and 100,000 prefabricated homes

By CONRAD HARNESS, Executive Vice-President
The Prefabricated Home Manufacturers Institute

The prefabricated home industry will take a bigger share of the new house market this year, whatever factory factors may influence the housing market.

Surveys of industry production currently underway reveal that production of prefabs is holding its own despite the 20% drop in housing starts this year. Third quarter sales were far ahead of the second quarter and it is estimated that sales this year will total between 90,000 to 100,000 house packages.

One of the principal reasons for this swing to prefrabrication can be found in the new homes plans created by some of the world's finest architects, including Frank Lloyd Wright, Royal Barry Wills, Morgan Yost, Richard Pollman and many others. From their drawing boards have come designs to suit every taste and desire—contemporary, ranch, colonial, Cape Cod, and regional favorites like southwest moderns. There are one-story and two-story homes, split-levels and tri-levels—any kind of a house the buyer desires.

Each of the 50 member companies of PHMI offers from 15 to 80 basic models in all price ranges to its builder organization. With this large number of designs, prefab builders can sell with great flexibility. They are able to shift with the market, quickly and easily, to satisfy the demand, both as to the styling preferred by the home buyer and the price he wants to pay.

Prefabricators Build Components

More and more during 1957 prefabricators have gone into component parts. Traditionally, the house package included the shell of the house—such components as floors, walls, partitions, ceilings, gables and roofs. Now the prefabricator tells his builder-dealer to have the basement or slab foundation ready and he will furnish the rest. He will furnish the kitchen cabinets and equipment, heating and air conditioning units, prefab plumbing, prefab fireplaces, room dividers. In fact, the prefabricator acts as a central purchasing department for his builder-dealers and delivers the material and equipment at the time and place specified by the builder.

The builder benefits from this more complete house package. Of prime importance is the savings he can make on his on-site costs. This ability to offset the continual pressure of rising costs, which affects the building industry, generally, puts the builder of PF homes in a highly favorable competitive positions in his market—and he knows his costs at all times. The more than 7,000 builder-dealers of prefabricated homes have found this out to their profit.

Planning and Research Staffs

In addition to their house package, more PF manufacturers have available to their builder-dealers a trained staff to assist in the acquisition of land, site planning, specialists in construction, advertising and sales promotion, financing, codes plus traveling auditors to make sure the dealer is making a profit.

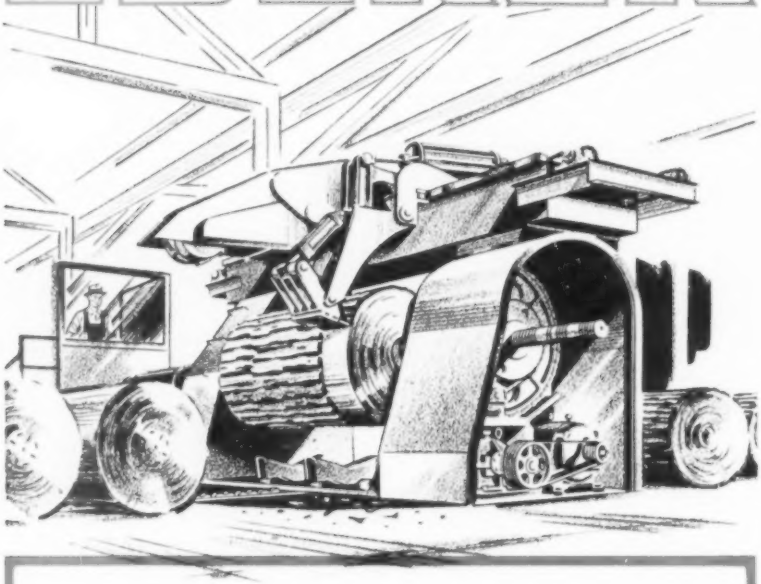
The industry is also making advances in the fields of research and development. This important work is directed toward the discovery of practical ways to build better for less. In this important work, we have had the cooperation of a number of related industries, including plywood. These pleasant and stimulating relationships will contribute much toward the achievement of better and more economical homes.

In spite of the low ebb of today's housing market, the need for new homes is tremendous. George E. Price, executive vice president of National Homes Corp., Lafayette, Ind., and president of PHMI, estimates that 1,250,000 new homes will be required annually to keep pace with the demands and maintain the standard of living in this country at even its present level.

"To meet this great demand," he points out, "new housing must be produced on a volume basis. But it is obvious that homebuilders cannot hope to keep pace using the same, old, piece-by-piece methods of construction. This is a job for which prefabrication is particularly well suited. For ours is a mass production industry, and it operates most economically and efficiently when serving a mass market. We can meet the demand, maintain high quality standards and produce at cost savings that bring the price of home ownership within the means of the largest number of American families."

"INTERESTED IN A NEW PLYWOOD PRODUCTION PROCESS?"

EDERER



Peelers chucked—barked—and on way to lathe—in as little as 45 seconds!

The EDERER OVERHEAD BARKER is "job-engineered" to permit straight-line conveyor chain movement of peelers through completely clear floor area beneath machine. Peelers move up—are chucked—barked—move on through to lathe. Complete cycle, with average 36-inch diameter peeler, takes approximately 45 seconds!

Scraper removes ONLY the bark, assuring the most veneer from every peeler; handles peelers of almost any shape or contour. Rosser head routs off burls and unusable wood. The machine handles peelers from 110-inch to a minimum 12-inch diameter; can be built to handle peelers up to 135 inches long.

The barker is operated from one set of controls located wherever is convenient for operator. Conveyor chain control may be in same control station.

Floor-mounted barker is also available. Write for full information about both models.

EDERER "job-engineering" helps expand production in an expanding industry.

320V57

EDERER ENGINEERING COMPANY
2933 First Avenue South
Seattle 4, Washington
EXPORT DIVISION:
301 Clay Street, San Francisco 11, California

EDERER
PLYWOOD EQUIPMENT

SINCE 1901 "JOB-ENGINEERING" CRANES AND HEAVY EQUIPMENT

Special Report

(Continued from page 116)

XIV. Distribution and Sales

Here there seemed to be considerable confusion. It is difficult for any single manufacturer to write out an over-all outline of distribution pattern.

Agreed, was the fact that in order to sell plywood it must be readily available to all markets and therefore, must be warehoused in locations close to markets and anywhere the industry proposes to sell. Whether sold in direct-cars or out of warehouses, the end-use sales effort must be aggressive and intelligent and conducted in the local markets by local people. The present mill-to-jobber-to-various-local-markets method of distribution is considered by many as the one that is most likely to grow and prosper as the industry grows.

It was believed that in the future we would see greater centralization of ownership; distribution facilities to make increased use of the so-called "cash and carry" method of distribution insofar as the general public is concerned, as well as carload sales to large users. Forecasts were made as to the probability of moving plywood in large quantities by water via the waterways in the Middle West, either through the St. Lawrence seaway or the Mississippi River, in order to reduce high costs of other forms of transportation.

Generally there seems to be two major distribution patterns. One is a direct-car shipment to the industrial or large independent buyer, whether he be contractor or lumber dealer. The other is the historical pattern of distribution through distributing warehouses. Another advent during recent years has been the entry into plywood distribution of the basic lumber operators who historically have sold in carload lots direct to a lumber dealer.

Regardless, the final decision on the sales policy and distribution pattern rests with each individual company. Each one no doubt pursues a policy which he feels serves his economic condition most effectively. In order to obtain uniform distribution throughout the country, the majority of producers would have to be convinced that the methods they are now employing are wrong which, many felt, would be quite difficult.

One thing upon which all were in agreement was that closer relationship should be established between manufacturer and outlets to improve marketing procedures. Perhaps the present system of plywood distribution is no worse than that of many other industries, nonetheless, there is considerable room for improvement.

XV. Manufacturing Costs

There are indications that some companies may not know their actual costs of manufacture. All industries that use a common raw material to manufacture a variety of finished products, are faced with the problem of allocating costs properly—at best a complex accounting problem. Revamping of cost accounting methods might help in bringing manufacturing costs more into line.

Some are sure that manufacturing costs in the plywood industry are fairly well established and cannot be altered regardless of accounting methods used. The methods would merely point out what costs are. Several panel members, however, could see as valuable, a more uniform accounting method to help in establishing the cost of individual items, thereby approaching a more realistic price relationship. Uniformity of accounting, they believe, would point out opportunity for savings of thousands of dollars of now unknown costs in manufacturing processes.

XVI. Promotional Requirements

"Plywood promotion must be carried on at a very high level"—a statement that about sums up the feeling of all panel members.

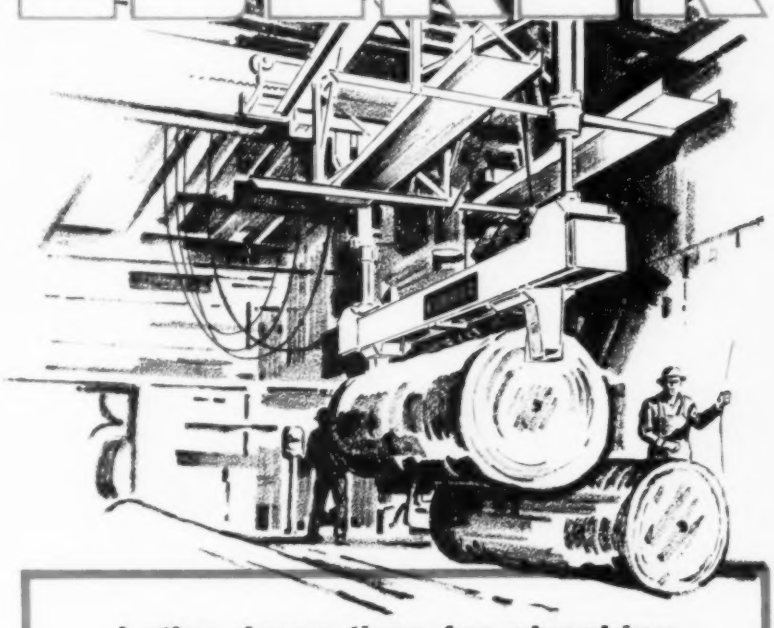
Credited with the rapid growth of fir plywood industry during the past decade, panel members felt that the Douglas Fir Plywood Association's outstanding promotional and research work should be further accelerated. The executives were unanimous in their statement that no individual plant could begin to afford the cost of the intensive advertising, promotion and field coverage that has been constantly maintained by their association. At the same time it was believed that specialty products should be promoted more vigorously by individual companies.

With the needed manufacturing and product improvement, market expansion, sales and distribution improvement; increased promotion and pricing maturity—"we have a lot of work to do."

Improvements Up Output

R. L. Fergusson, plant manager of Industrial Plywood Corp., Willits, Calif., reports that the plant modernization program, in progress during 1957, will be completed about January 15 with installation of a new hot press, dryer sections, feeders and an oil-fired boiler. The modernization will raise this firm's production from about 2 million to around 3 million square feet.

EDERER



Lathe down time for chucking —no more than 10 seconds!

The EDERER OVERHEAD LATHE CHARGER is "job-engineered" to pick up a peeler — precenter it to lathe chucks — and move it forward to exact chucking position. In a five-hour clocked operation, average chucking time was only 18 seconds after peeler knife was retracted! In this same five-hour period, the charger handled 75 102-inch long peelers of average 36-inch diameter.

Equally efficient is the floor-mounted lathe charger, designed for use where overhead clearance is restricted.

Both overhead and floor-mounted chargers are hydraulically operated from one set of controls, located for the operator's convenience. With the two models to choose from, you can have a charger to fit your exact requirements. Either charger can be supplied in a simpler adaptation to load your barker too.

Write for EDERER Lathe Charger Bulletin V-106.

EDERER "job-engineering" helps expand production in an expanding industry.

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EDERER ENGINEERING COMPANY
2933 First Avenue South
Seattle 4, Washington
EXPORT DIVISION:
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PLYWOOD EQUIPMENT

SINCE 1901 "JOB-ENGINEERING" CRANES AND HEAVY EQUIPMENT

DIRECTORY OF

PLYWOOD and VENEER PRODUCERS . . . *Also includes:*

HARDBOARD AND PARTICLEBOARD MANUFACTURERS

PLYWOOD PLANTS

ALBERTA

WESTERN PLYWOOD (Alberta) LTD.

Edmonton, Alberta
Home Office: 900 East Kent Ave., Vancouver, B. C.
ANNUAL CAPACITY:
(¼-inch basis) 30,000,000 square feet poplar.
EQUIPMENT:
1 lathe, 1 dryer, 1 press.
PERSONNEL:
Frank Hahn, area mgr.; Archie Sudbury, plant supt.

BRITISH COLUMBIA

BRITISH COLUMBIA FOREST PRODUCTS, LTD.

Victoria Plywood Division
371 Gorge Road, Victoria, B. C.
Phone: 27221
Home office: 995 West 6th Ave., Vancouver 9, B. C.
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 100,00,000 sq. ft. Douglas fir.
SPECIAL PRODUCTS:
1,000,000 sq. ft. brushed panels; 1,000,000 sq. ft. Texture One-Eleven.
EQUIPMENT:
1 lathe; 3 dryers; 2 hot presses.
PERSONNEL:
H. G. Munro, pres.; W. H. Pumfrey, sls. mgr.; C. W. Potter, plant supt.; T. D. R. Humphreys, mgr.
SALES AGENTS:
MacMillan & Bloedel Limited, 837 West Hastings St., Vancouver, B. C.

CANADIAN COLLIERIES RESOURCES, LTD.

(Timber Plywood Division)
P. O. Box 700
New Westminster, B. C.
Home office: 566 Hornby St., Vancouver, B. C.
Phone: LA 1-7767
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 45,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe, 2 dryers, 1 hot press. Maximum press size: 4x8 ft.
PERSONNEL:
N. R. Whittall, pres.; G. Flavelle, sls. mgr.; J. Shick, plant supt.; R. H. Ellison, gen. mgr.; H. A. Lester, plant mgr.

CANADIAN FOREST PRODUCTS, LTD.

Foot of Braid St.
New Westminster, B. C.
Phone: Lakeview 1-9656.
ANNUAL CAPACITY:
(⅜-inch, 3 ply) 140,000,000 sq. ft. Douglas fir.
EQUIPMENT:
4 lathes; 7 dryers, 5 hot presses.
PERSONNEL:
John G. Prentice, pres. & gen. mgr.; W. E. Burns, sls. mgr.; D. M. Zilm, plant supt.

CANADIAN WESTERN LUMBER CO., LTD.

15 King Edward Ave.
New Westminster, B. C.
Phone: LA 1-1941
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 25,000,000 sq. ft. Douglas Fir.
SPECIAL PRODUCTS:
300,000 sq. ft. plastic or paper overlays.
EQUIPMENT:
2 lathes, 5 dryers, 2 hot presses. Maximum size press, 5x10 ft.
PERSONNEL:
P. T. Sinclair, pres.; R. McMillan, sls. mgr.; J. Scott, plant supt.; D. R. Schmidt, gen. mgr; A. C. Ewart, plant mgr.
SALES AGENTS:
Canadian Western Lumber Co. Ltd. Sales offices: 505 Herald Bldg., Calgary, Alberta; 146 Harbour Street, Toronto, Ont.; 17 Charles Edouard, Levis, P. Q.; Security Lumber Co., Ltd., 204 Fairford Ave., Moose Jaw, Saskatchewan; Coast Lumber Yards, Ltd., 195 McPhillips Street, Winnipeg, Manitoba.

EVANS PRODUCTS COMPANY, LTD.

Ft. of Main Street, South
Vancouver, B. C.
Phone: FR 1131
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 36,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe, 1 dryer, 1 hot press. Maximum press size: 4x8 ft.
PERSONNEL:
E. V. Evans, pres.; C. J. Short, vice-pres. & gen. mgr.; W. V. Ritchie, sls. mgr.; Gordon McKay, mgr.; Ralph F. Cole, plant supt.
SALES AGENTS:
Weldwood Plywood Limited. Head office: Montreal, Quebec.

MacMILLAN & BLOEDEL, LTD.

(Alberni Plywood Division)
P. O. Box 156
Port Alberni, B. C.
Phone: 807
Home office: 1199 West Pender St., Vancouver, B. C.
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 135,000,000 sq. ft. Douglas fir.
SPECIAL PRODUCTS:
200,000 sq. ft. plastic or paper overlays.
1,000,000 sq. ft. scarfed panels.
EQUIPMENT:
2 lathes, 5 dryers, 3 hot presses. Maximum press size: 5x10 ft.
PERSONNEL:
R. M. Shaw, pres.; I. S. Brand, gen. mgr.; J. F. Ravenhill, sls. mgr.; C. T. Robertson, plant mgr.; J. E. Young, plant supt.
SALES AGENTS:
MacMillan & Bloedel Sls. Ltd., Vancouver, B. C.; Edmonton and Calgary, Alberta; Winnipeg, Manitoba; Islington, London, Windsor, Ontario; Montreal, Quebec; Ottawa, Quebec.

MacMILLAN & BLOEDEL, LTD.

(Vancouver Plywood Division)
Two plants: Foot of Cromwell St., P. O. Box 340, Vancouver, B. C.
Home office: 1199 West Pender St., Vancouver, B. C.
Phone: Dex 0636
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 215,000,000 sq. ft. Douglas fir.
SPECIAL PRODUCTS:
Plastic or paper overlays; scarfed panels; Mono-door; pressed-wood fuel; specialty panels.
EQUIPMENT:
4 lathes, 11 dryers, 1 cold press 6 hot presses.
PERSONNEL:
R. M. Shaw, pres.; H. D. Dagg, gen. mgr.; J. F. Ravenhill, sls. mgr.; A. McAloney, plant mgr.; S. Dickson, plant supt.

MURRAY, J. R., LTD.

8850 Ash St.
Vancouver 15, B. C.
Phone: Fraser 9121.
Home Office: 900 E. Kent, Vancouver, B. C.
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 66,000,000 sq. ft. Douglas fir.
EQUIPMENT:
2 lathes, 2 dryers, 3 hot presses. Maximum press size: 4x8 ft.
PERSONNEL:
John Bene, pres. & gen. mgr.; Geoff Tullidge, sls. mgr.; Jim McCarthy, prod. mgr.; John Douglas, plant supt.; Jim Douglas, area mgr.
SALES AGENTS:
Vancouver, Edmonton, Calgary, Regina, Winnipeg, Ft. William—own warehouses; eastern Canada through distributors.

RICHMOND PLYWOOD CORP., LTD.

1390 National Avenue
Richmond, B. C.
Phone: Crestwood 8-5168
ANNUAL CAPACITY:
New Plant under construction
PERSONNEL:
L. E. Norman, pres.

S & K LIMITED

(Plywood Division)
P. O. Box 390, Kelowna, B. C.
Phone 4500
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 16,000,000 sq. ft. Douglas fir; 4,000,000 sq. ft. ponderosa; 20,000,000 sq. ft. spruce.
EQUIPMENT:
2 lathes; 1 dryer; 1 hot press. Maximum press size: 4x8 ft.
PERSONNEL:
N. Murrary & R. C. McLean, shift foremen; William P. Crooks, plant mgr.
SALES AGENTS:
S. M. Simpson Ltd. (Okanagan Sales); McMillan & Bloedel Ltd. (Sales).

SOOKE LAKE LUMBER, LTD.

Ft. of Helliwell Rd., View Royal, P. O. Box 1206, Victoria, B. C.
Phone: 2-8241.
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 43,000,000 sq. ft. Douglas fir; 1,000,000 sq. ft. Philippine mahogany.
SPECIAL PRODUCTS:
1,000,000 sq. ft. hardwood faced panels.

EQUIPMENT:
1 lathe; 2 dryers; 2 hot presses; Maximum press size: 4x8 ft.
PERSONNEL:
N. D. Cameron, pres. & gen. mgr.; A. Hendry, sls. & plant mgr.; D. Reay, plant supt.
SALES AGENTS:
McMillan & Bloedel, Ltd., Canadian Sales; Seabord Lumber Sales Co., Ltd., cargo export sales.

WESTERN PLYWOOD CO., LTD. (Cariboo)
Box 2000, Quesnel, B. C.
Phone: 62
Home office: 900 E. Kent, Vancouver 15, B. C.
ANNUAL CAPACITY:
(3/8-inch, 3-ply) 40,000,000 sq. ft. Douglas fir.
EQUIPMENT:
2 lathes, 2 dryers, 1 hot press. Maximum press size: 5x8 ft.
PERSONNEL:
John Bene, pres. & gen. mgr. Geoff Tullidge, sls. mgr.; Jim McCarthy, prod. mgr.; Don McColl, area mgr.
SALES AGENTS:
Vancouver, Edmonton, Calgary, Regina, Winnipeg, Ft. William—own warehouses. Eastern Canada through distributors.

WESTERN PLYWOOD, LTD.
900 E. Kent., Vancouver 15, B. C.
Phone: Fraser 1111.
ANNUAL CAPACITY:
(3/8-inch, 3-ply) 15,000,000 sq. ft. Douglas fir; 30,000,000 sq. ft. cottonwood.
SPECIAL PRODUCTS:
450,000 sq. ft. plastic or paper overlays; 450,000 sq. ft. hardwood faced panels.
EQUIPMENT:
2 lathes, 1 slicer, 2 dryers, 2 hot presses. Maximum press size, 4x8 ft.
PERSONNEL:
John Bene, pres. & gen. mgr.; Geoff Tullidge, sls. mgr.; Jim McCarthy, prod. mgr.; Albert Elias, plant supt.; Ralph Douglas, gen. supt.; Jim Douglas, area mgr.

CALIFORNIA

ARCATA PLYWOOD CORP.
Box 427, Arcata, Calif.
Phone: Van Dyke 2-0335; Teletype Arcata 94.
ANNUAL CAPACITY:
(3/8-inch, 3-ply) 75,000,000 sq. ft. Douglas fir.
SPECIAL PRODUCTS:
2.4.1 panels.
EQUIPMENT:
2 lathes, 3 dryers, 1 cold press, 1 hot press. Maximum press size: 4x10.
PERSONNEL:
Abraham Rochlin, pres.; Larry Rochlin, vice pres. & gen. mgr.; E. W. Strauser, sales mgr.; Si Berg, plant mgr.

DURABLE FIR LUMBER & PLYWOOD CO.
P. O. Box 114, Calpella, Calif.
Phone: Homestead 2-2981.
ANNUAL CAPACITY:
(3/8-inch, 3-ply) 40,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe, 2 dryers, 1 hot press. Maximum press size: 4x8 ft.
PERSONNEL:
H. N. Anderson, pres.; T. T. Stolesen, gen. mgr.; Rolf Stolesen, sls. mgr.; Henry Wolny, plant supt.
SALES AGENTS:
Durable Plywood Sales Co., 1618 El Camino Real, Menlo Park, Calif.

DURABLE PLYWOOD CO.
451 South G St., Arcata, Calif.
Phone: Van Dyke 2-0381.
Home office: P. O. Box 605, Arcata, Calif.
ANNUAL CAPACITY:
(3/8-inch, 3-ply) 45,000,000 sq. ft. Douglas fir.
SPECIAL PRODUCTS:
750,000 sq. ft. brushed panels; 60,000 sq. ft. 2.4.1 panels.
EQUIPMENT:
2 lathes, 2 dryers, 1 cold press, 1 hot press. Maximum press size, 4x8 ft.
PERSONNEL:
Henry Anderson, pres.; T. T. Stolesen, gen. mgr.; Rolf Stolesen, sls. mgr.; C. H. Thompson, plant mgr.; J. McCracken, plant supt.

FORTUNA VENEER CO.
Fortuna, California.
Phone: Van Dyke 2-0335; Teletype Arcata 94.
Home office: Box 427, Arcata, Calif.
ANNUAL CAPACITY:
(3/8-inch, 3-ply) 70,000,000 sq. ft. Douglas fir.
EQUIPMENT:
2 lathes, 2 dryers, 1 cold press, 1 hot press. Maximum press size: 4x8 ft.
PERSONNEL:
Abraham Rochlin, pres.; Larry Rochlin, gen. mgr.; E. W. Strauser, sls. mgr.; Walt Swartz, plant mgr.

GENERAL VENEER MANUFACTURING CO.
Telephone: Lorain 4-2661.
Box 271, 8652 Otis Street, South Gate, Calif.
EQUIPMENT:
4 hot presses, 5 cold presses, three high frequency presses, 1 plycore machine.

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Architectural and aircraft plywood, flush doors, cupboard and cabinet doors, balsa wood, other custom specialties.
PERSONNEL:
H. D. DeWitt, pres.; E. J. Vivian, dir. of sales; J. S. Ritschel, purch. agt.; R. V. DeWitt, plant mgr.

INDUSTRIAL PLYWOOD CORP.

P. O. Box 397, Willits, Calif.
Home office: P. O. Box 569, San Rafael, Calif.
Phone: Glenwood 4-2310; Teletype San Rafael, 64.
ANNUAL CAPACITY:
($\frac{3}{8}$-inch, 3-ply) 30,000,000 sq. ft. Douglas fir.
SPECIAL PRODUCTS:
250,00 sq. ft. 2.4.1. panels; 250,000 sq. ft. Hardboard faced.
EQUIPMENT:
1 lathe, 1 dryer, 1 cold press, 1 hot press. Maximum size press: 4'6" x8'10".
PERSONNEL:
C. J. Fairhurst, pres.; Jack Fairhurst, gen. mgr.; E. H. Bacon, sls. mgr.; R. L. Fargusson, plant mgr.; P. J. Onori, plant supt.; Len Clark, gen. mgr. of operations.
SALES AGENTS:
Fairhurst Plywood Sales Co., P. O. Box 569, San Rafael, Calif.

INTERNATIONAL PAPER CO.

(Long-Bell Division)
Weed, Calif.
Home office: P. O. Box 1079, Longview, Wash.
Phone: HA 3-2110; Teletype 375.
ANNUAL CAPACITY:
($\frac{3}{8}$-inch, 3-ply) 30,000,000 sq.; 16,000,000 sq. ft. Douglas fir; 11,000,000 sq. ft. white & ponderosa pine.
SPECIAL PRODUCTS:
Idaho Knotty pine.
EQUIPMENT:
2 lathes, 2 dryers, 1 cold press, 1 hot press; Maximum press size, 4x8 ft.
PERSONNEL:
J. D. Leland, vice-pres.; E. H. Houston, gen. sls. mgr.; H. G. Kelsey, gen. mgr. of western operations; J. Mantle, br. mgr.; F. L. Foval, ass't. to gen. sls. mgr.; F. N. McCullah, plywood sls.; J. Dohrn, plant supt.
SALES AGENTS:
International Paper Company, Long-Bell Division—Sales offices in all major cities.

INTERSTATE CONTAINER CORP.

P. O. Box 790, Red Bluff, Calif.
Phone 54.
ANNUAL CAPACITY:
($\frac{3}{8}$-inch, 3-ply) 32,000,000 sq. ft. Douglas fir.
SPECIAL PRODUCTS:
Sheathing and NNP-JNP panels.
EQUIPMENT:
1 lathe, 1 dryer, 1 cold press. Maximum press size, 4x8 ft.
PERSONNEL:
W. B. Schwab, pres.; T. H. Miles, gen. mgr.; Keith B. Smith, sls. mgr.; Steve Franko, prod. mgr.; Bud Stout, supt.
SALES AGENTS:
Interstate Plywood Sales Co., 3415 Fulton Ave., Sacramento, Calif.

LUND PLYWOOD & MANUFACTURING CO.

New No. 101 Highway, Box 146, Crescent City, Calif.
Phone: 6814.

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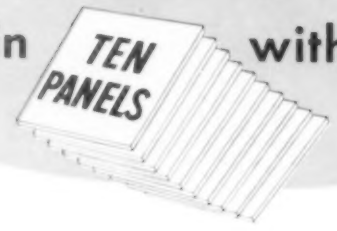

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C.P.I. veneers are matched to U.S. grade standards and offered in all panel sizes. Our service enables you to offer all species of hardwood-faced plywood at competitive prices. Protect your sales to jobbers who call for *both* fir and hardwood—and make a profit doing so!

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ANNUAL CAPACITY: (3/8-inch, 3-ply) 36,000,000 sq. ft. Douglas fir.
EQUIPMENT: 2 dryers, 1 cold press, 1 hot press.
PERSONNEL: Axel I. Lund, pres. & sls. mgr.; Gordon E. Larsen, ass't. sls. mgr.; Fred Helland, plant supt.; Francis Wheeler, 2nd shift supt.; Donald Hemmingsen, master mechanic.

MUTUAL PLYWOOD CORP.

Fairhaven, Calif.
Home office: P. O. Box 18, Eureka, Calif.
Phone: Hillside 2-6487; Teletype EK 79.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 100,000,000 sq. ft. Douglas fir.
SPECIAL PRODUCTS: 6,500,000 sq. ft. striated panels.
EQUIPMENT: 2 lathes, 1 slicer, 3 dryers, 3 hot presses. Maximum press size: 5x10 ft.
PERSONNEL: Earl Larson, pres.; Howard B. Garrison, gen. mgr.; Geo. E. Johnson, sls. mgr.; Geo. Christ, plant supt.

NORTHERN CALIFORNIA PLYWOOD, INC.

P. O. Box 337.
Crescent City, Calif.
Phone: 8501; Teletype 433.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 70,000,000 sq. ft. Douglas fir.
SPECIAL PRODUCTS: 1,000,000 sq. ft. brushed panels; 2,000,000 sq. ft. 2.4.1 panels; 1,000,000 sq. ft. sliced veneer panels.
EQUIPMENT: 2 lathes, 2 dryers, 1 cold press, 1 hot press. Maximum press size: 4x8 ft.
PERSONNEL: Wayne McClaflin, pres.; A. B. Burdick, gen. & sls. mgr.; Jack Harmon, plant supt.
SALES AGENTS: North-Robbins Plywood, Inc., 400 Boren Ave. No., Seattle 9, Wash.

OROPLY CORP.

Kusel Road, P. O. Box 111, Oroville, Calif.
Phone: Lenox 3-7440.
ANNUAL CAPACITY: Under construction.
EQUIPMENT: 1 lathe, 1 dryer, 1 cold press, 1 hot press. Maximum press size: 4x8 ft.
PERSONNEL: L. D. Ohlson, pres.; E. W. Hays, gen. & sls. mgr.; E. Bork, plant supt.

PACIFIC COAST CO., THE

P. O. Box 8, Sonoma, Calif.
Phone: Webster 8-5564.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 39,600,000 sq. ft. Douglas fir, Philippine mahogany.
EQUIPMENT: 1 dryer, 1 cold press, 1 hot press.
PERSONNEL: Hugh J. Jacks, pres.; A. W. Agnew, vice-pres. & gen. mgr.; George W. Karlson, prod. mgr.; George A. Cramer, plywood plant supt.
SALES AGENTS: Dale F. Harper, P. O. Box 252, San Mateo, Calif.

PLYWOOD CORPORATION OF AMERICA

Telephone: Lockhaven 9-0261.
8410 Amelia St., Oakland, Calif.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 54,000,000 sq. ft. Douglas fir.

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EQUIPMENT: 1 dryer, 1 cold press.
PERSONNEL: Wally Bushberg, pres.; Norman T. Bushberg, gen. & plant mgr.; Jack Harmon, plant supt.

PLYWOOD MANUFACTURERS OF CALIF., INC.

2201 Dominquez St.
Torrance, Calif.
Phone: Fairfax 8-7986; Teletype TWC 8031.
ANNUAL CAPACITY: (3/8-inch, 3-ply) 45,000,000 sq. ft. Douglas fir.
SPECIAL PRODUCTS: Hardwood faced panels, birch; blanks-hardwood overlay.
EQUIPMENT: 1 cold press, 1 hot press. Maximum press size: 4x8 ft.
PERSONNEL: Albraham Rochlin, pres. & gen. mgr.; Bernard Feigin, sls. mgr.

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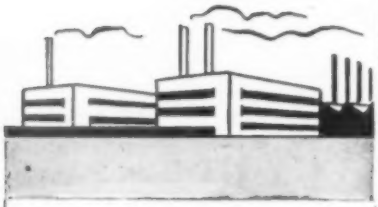

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RODDISCRAFT, INC.

P. O. Box 248, Arcata, Calif.
Phone VA 2-3631; Teletype Arcata 57.

ANNUAL CAPACITY:
($\frac{3}{8}$-inch, 3-ply) 60,000,000 sq. ft. Douglas fir.

SPECIAL PRODUCTS:
700,000 sq. ft. hardwood faced panels; 500,000 sq. ft. brushed panels; 500,000 sq. ft. striated panels; 600,000 sq. ft. Texture One-Eleven; 800,000 sq. ft. Tweed, Cedence, Sketchwood; 3,000,000 sq. ft. cut up items.

EQUIPMENT:
2 lathes, 3 dryers, 2 hot presses. Maximum press size: 5x10 ft.

PERSONNEL:
Robert T. Beggs, pres.; Kirk R. Cooper, gen. mgr.; J. A. Wallenstrom, sls. mgr.; D. O. Dahlen, plant mgr. & supt.

SIMPSON REDWOOD CO.

Eureka, Calif.
Phone: Hillside 3-1601; Teletype EK 64.
Home office: Arcata, Calif.

ANNUAL CAPACITY:
($\frac{3}{8}$-inch, 3-ply) 55,200,000 sq. ft. Douglas fir; 4,800,000 sq. ft. redwood.

SPECIAL PRODUCTS:
Brushed fir and redwood panels; Texture One-Eleven; scarfed panels; 2.4.1 panels; sliced redwood veneer panels; embossed fir and redwood.

EQUIPMENT:
1 lathe, 1 slicer, 3 dryers, 2 hot presses. Maximum press size: 5x10 ft.

PERSONNEL:
Gordon Manary, vice-pres.; J. M. Elliott, plant mgr.; Ivan Vrooman, plant supt.

SALES AGENTS:
Simpson Logging Co., Portland, Ore.

SONOMA PLYWOOD CO.

McCray Road, P. O. Box 95, Cloverdale, Calif.
Phone: Twinbrook 4-5448.

ANNUAL CAPACITY:
($\frac{3}{8}$-inch, 3-ply) 42,000,000 sq. ft. Douglas fir.

EQUIPMENT:
2 lathes, 1 dryer, 1 cold press. Maximum press size: 4x10 ft.

PERSONNEL:
Roland O. Carlson, pres. & gen. mgr.; Norman Davidson, sls. mgr.

SALES AGENTS:
Pacific Wood Products, 900 Wilshire Blvd., Los Angeles, Calif.

STANDARD VENEER & TIMBER CO.

P. O. Box 578.
Crescent City, Calif.
Phone: 9331.

ANNUAL CAPACITY:
($\frac{3}{8}$-inch, 3-ply) 36,000,000 sq. ft. Douglas fir.

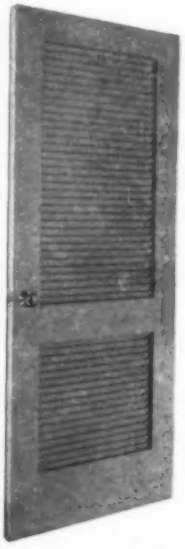
EQUIPMENT:
1 lathe, 1 dryer, 1 cold press. Maximum press size: 4x8 ft.

PERSONNEL:
Ed. N. Baisler, pres.; Hollis J. Nunneley, gen. mgr. & sls. mgr.; Milton Clay, plant supt.

SUNSET PLYWOOD CO.

6067 District Blvd., Los Angeles 22, Calif.
Phone: Ludlow 8-3118.

ANNUAL CAPACITY:
($\frac{3}{8}$-inch, 3-ply) 12,000,000 sq. ft. Douglas fir.



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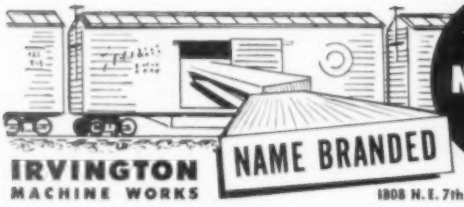
Houston, Texas, 3401 Buffalo Drive . . . JAckson 2-2486
Chicago, Ill., Daily News Building . . . . . ANdover 3-2395
San Francisco, Calif., 2165 Larkin Street . . TUxedo 5-0952
Denver, Colo., 2311 S. Madison St. . . . . FLorida 5-9539
Stamford, Conn., P. O. Box 300 . . . . . DAvis 4-9525



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2 cold presses. Maximum press size: 4x8 ft.
PERSONNEL:
F. L. Freeman, pres.; Frank Lybeck, plant supt.

TRI-STATE PLYWOOD COMPANY
630 Martin Ave., Santa Clara, Calif.
Phone: CH 3-4010.
ANNUAL CAPACITY:
($\frac{3}{8}$-inch, 3-ply) 48,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 dryer, 1 cold press.
PERSONNEL:
Victor Olson, pres.; S. R. Black, vice-pres. & gen. mgr.; Gladys M. Fordney, sls. mgr.; Jack Blankenship, plant supt.

UNITED STATES PLYWOOD CORPORATION
(Shasta Plywood Division)
Anderson, Calif.
Phone: Emerson 5-7631; Teletype And 18-U and And 12-U.
Division office: P. O. Box 1688, Redding, Calif.
Home office: 55 West 44th St., New York, N. Y.
ANNUAL CAPACITY:
($\frac{3}{8}$-inch, 3-ply) 60,000,000 sq. ft.; 14,000,000 sq. ft Douglas fir; 26,000,000 sq. ft. ponderosa; 7,000,000 sq. ft. white fir.
SPECIAL PRODUCTS:
6,500,000 sq. ft. brushed panels; 60,000 sq. ft. 2.4.1 panels; 1,200,000 sq. ft. hardboard faced.
EQUIPMENT:
2 lathes, 3 dryers, 2 hot presses. Maximum press size: 4x10 ft.
PERSONNEL:
S. W. Antoville, pres., New York, New York; G. C. Brewer, vice-pres. west coast operations, Redding, Calif.; K. L. Morrow, gen. mgr.; W. C. Smith, production mgr.; L. H. Boudreau, sls. mgr.
SALES AGENTS:
United States Plywood Corp., New York, N. Y.; Birmingham, Ala.; Phoenix, Ariz.; Culver City, Calif.; Fresno, Calif.; Glendale, Calif.; Los Angeles, Calif.; Oakland, Calif.; Sacramento, Calif.; San Diego, Calif.; San Francisco, Calif.; Santa Ana, Calif.; Santa Clara, Calif.; Denver, Colo.; East Hartford, Conn.; Washington, D. C.; Jacksonville, Fla.; Miama, Fla.; Tampa, Fla.; Atlanta, Ga.; Chicago (Burnside Br.), Ill.; Chicago, Ill.; Indianapolis, Ind.; Louisville, Ky.; New Orleans, La.; Baltimore, Md.; Boston, Mass. Detroit, Mich.; Grand Rapids, Mich.; Saginaw, Mich.; St. Paul, Minn.; Kansas City, Kan.; St. Louis, Mo.; Omaha, Nebr.; Newark, N. J.; Albany, N. Y.; Brooklyn, N. Y.; Buffalo, N. Y.; New Hyde Park, N. Y.; Rochester, N. Y.; Syracuse, N. Y.; Charlotte, N. C.; High Point, N. C.; Raleigh, N. C.; Cincinnati, Ohio; Cleveland, Ohio; Columbus, Ohio; Toledo, Ohio; Youngstown, Ohio; Oklahoma City, Okla.; Portland, Ore.; Allentown, Pa.; Harrisburg, Pa.; Philadelphia, Pa.; Pittsburgh, Pa.; Pittston, Pa.; Providence, R. I.; Columbia, S. C.; Dallas, Tex.; Houston, Tex.; San Antonio, Tex.; Knoxville, Tenn.; Memphis, Tenn.; Salt Lake City, Utah; Norfolk, Va.;

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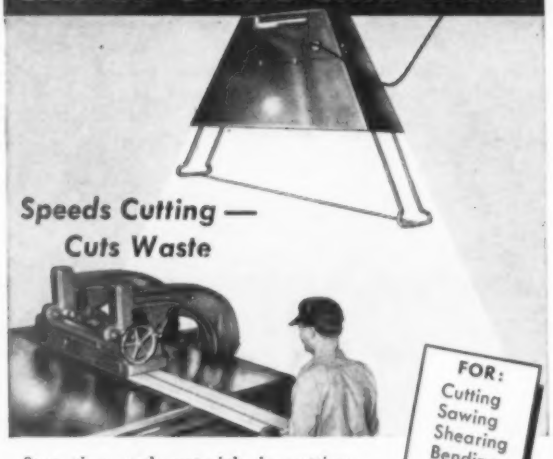

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POTLATCH FORESTS, INC.

Lewiston, Idaho.
Phone: 3-4561; Teletype LE 92.
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 24,000,000 sq. ft. 12,000,000 sq. ft. ponderosa; 200,000 sq. ft. Larch; 3,000,000 sq. ft. Knotty and clear cedar; 7,800,000 sq. ft. Knotty white pine.
EQUIPMENT:
1 lathe, 1 slicer, 2 dryers, 1 cold press. Maximum press size: 4x8 ft.
PERSONNEL:
W. P. Davis, pres.; Roy Hoffman, gen. mgr.; C. J. Johnson, sls. mgr.; Lawrence Bashore, plant mgr.; Carl Twietmeyer, plant supt.
SALES AGENTS:
Weyerhaeuser Sales Co., First National Bank Bldg., St. Paul, Minn.

MONTANA

POLSON PLYWOOD CO.

Polson, Mont.
Phone: 340.
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 20,000,000 sq. ft. 3,500,000 sq. ft Douglas fir; 1,000,000 sq. ft. ponderosa pine; 14,000,000 sq. ft. larch; 400,000 sq. ft. cottonwood; 1,500,000 sq. ft. spruce.
EQUIPMENT:
1 lathe, 1 slicer, 1 dryer, 1 cold press.
PERSONNEL:
Will Tiddy, pres. & gen. mgr.; George J. Kern, sls. mgr.; Daniel C. Learned, plant supt.
SALES AGENTS:
Mackie & Lewis, 805 American Bldg., Seattle 4, Wash.

OREGON

ASTORIA PLYWOOD CORP.

409-23 st., P. O. Box 117, Astoria, Ore.
Phone: Fairfax 5-6021.
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 55,000,000 sq. ft. Douglas fir; 5,000,000 sq. ft. spruce.
SPECIAL PRODUCTS:
12,000 sq. ft. 2.4.1 panels; 600,000 sq. ft. embossed panels in Shan Tong, Kascade and Sketchwood patterns.
EQUIPMENT:
2 lathes, 2 dryers, 1 cold press, 1 hot press. Maximum size press: 4x8 ft.
PERSONNEL:
Howard Thomasson, pres.; Elmer H. Hall, sales & gen. mgr.; Henry Holm, plant mgr. and supt.
SALES AGENTS:
Vancouver Plywood Co., Vancouver, Wash.

BATE LUMBER CO.

Merlin, Ore.
Phone: Greenwood 6-7711; Teletype Grants Pass 25.
Home office: Executive Bldg., Portland, Ore.
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 72,500,000 sq. ft. Douglas fir; 2,500,000 sq. ft. ponderosa; 2,500,000 other species.
SPECIAL PRODUCTS:
2,500,000 sq. ft. hardwood faced panels.
EQUIPMENT:
2 lathes, 3 dryers, 2 hot presses. Maximum press size: 4x8 ft.
PERSONNEL:
John L. Bate, pres.; John Beckstrom, sls. mgr.; Conrad Johanson, plant supt.; C. L. Lindquist, gen. and plant mgr.
SALES AGENTS:
Beckstrom & Co., 502 Executive Bldg., Portland, Ore.

BROOKINGS PLYWOOD CORP.

Box 1008, Brookings, Oregon.
Phone: 2711; Teletype Brookings 491.
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 66,000,000 sq. ft. Douglas fir.
SPECIAL PRODUCTS:
Knotty pine.
EQUIPMENT:
2 lathes, 2 dryers, 1 cold press, 2 hot presses. Maximum press size: 4x8 ft.
PERSONNEL:
Ray Reeser, pres.; John J. Connors, gen. mgr.; Leo K. Cummins, plant supt.
SALES AGENTS:
Northwest Door Co., Tacoma, Wash.

CAMPBELL & McLEAN, INC.

199 No. Bertelsen Road, Eugene, Oregon.
Phone: Diamond 5-0577; Teletype EG 120.
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 120,000,000 sq. ft. Douglas fir.

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WELCHBOARD makes sleek, sturdy accent panels. And Accent panels *make* the house! Actually, WELCHBOARD provides far more than good looks alone. It adds a real measure of dimensional stability and stubbornly resists all forms of weather and wear. That's because WELCHBOARD is plywood plus! It's exterior grade Douglas fir plywood—the only panel with a 1/16-inch thick overlaid face of phenolic resin and wood fibre. Result: A panel that is *always* smooth . . . perfect for paint, enamel or lacquer . . . easy to work . . . quick to erect. Accent panels of WELCHBOARD belong on your next house.

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This beautiful award-winner, designed by architect Gene Zema, AIA, for his own residence, features striking accent panels of Welchboard in harmony with spacious window wall areas.

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3 dryers, 2 kilns, 5 spreaders, 3 cold presses. Maximum press size: 4x8 ft.
PERSONNEL:
C. F. Campbell, pres.; M. M. McLean, vice-pres. and gen. mgr.; L. C. Nelson, sls. mgr.; C. O. Thomason, plant mgr.
SALES AGENTS:
Camac Plywood Sales, 199 No. Bertelsen Road, Eugene, Oregon.

CAROLINA PACIFIC PLYWOOD, INC.

White City, Oregon.
Home office: P. O. Box 949, Medford, Oregon.
Phone: TA 6-2571; Teletype White City 156.
ANNUAL CAPACITY:
($\frac{3}{8}$-inch, 3-ply) 50,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 dryer, 1 cold press. Maximum press size: 4x8 ft.
PERSONNEL:
B. D. Mitchell, pres., gen. & plant mgr.; John Colucci, sls. mgr.; John La Fleur, plant supt.

CASCADES PLYWOOD CORP.

Lebanon, Oregon.
Home office: 1316 Public Service Bldg., Portland, Oregon.
Phone: CA 7-3648; Teletype PD-149.
ANNUAL CAPACITY:
($\frac{3}{8}$-inch, 3-ply) 140,000,000 sq. ft. Douglas fir; 10,000,000 sq. ft. hemlock, noble fir and pine.
SPECIAL PRODUCTS:
2,000,000 sq. ft. plastic or paper overlays; 3,000,000 sq. ft. striated panels; 3,000,000 sq. ft. Texture One-Eleven; 2,000,000 sq. ft. scarfed panels; 500,000 sq. ft. 2.4.1 panels; 1,000,000 sq. ft. hardboard faced; 20,000,000 sq. ft. cut up items.
EQUIPMENT:
3 lathes, 6 dryers, 5 hot presses. Maximum press size: 5x10 ft.
PERSONNEL:
Chas. W. Fox, pres. and gen. mgr.; B. V Hancock, sls. mgr.; A. E. Anderson, plant mgr.; Mal Beard, plant supt.
SALES AGENTS:
U. S. Plywood Corp.

COOS BAY TIMBER CO.

Coquille, Oregon.
Phone: CO 7-2161.
Home office: Coos Bay, Oregon.
ANNUAL CAPACITY:
($\frac{3}{8}$-inch, 3-ply) 170,000,000 sq. ft. Douglas fir.
SPECIAL PRODUCTS:
5,000,000 sq. ft. brushed panels; 5,000,000 sq. ft. 2.4.1 panels; 7,500,000 sq. ft. hardboard faced.
EQUIPMENT:
3 lathes, 4 dryers, 1 cold press, 3 hot presses.
PERSONNEL:
R. P. Pamplin, pres.; Victor Olson, vice-pres. and gen. mgr.; W. H Hunt, gen. sls. mgr.; E. Harrington, plant mgr.; J. H. McCue, plant supt.; J. Jorgensen, ass't. plant mgr.; Frank V. Langfitt, Jr., sls. mgr.
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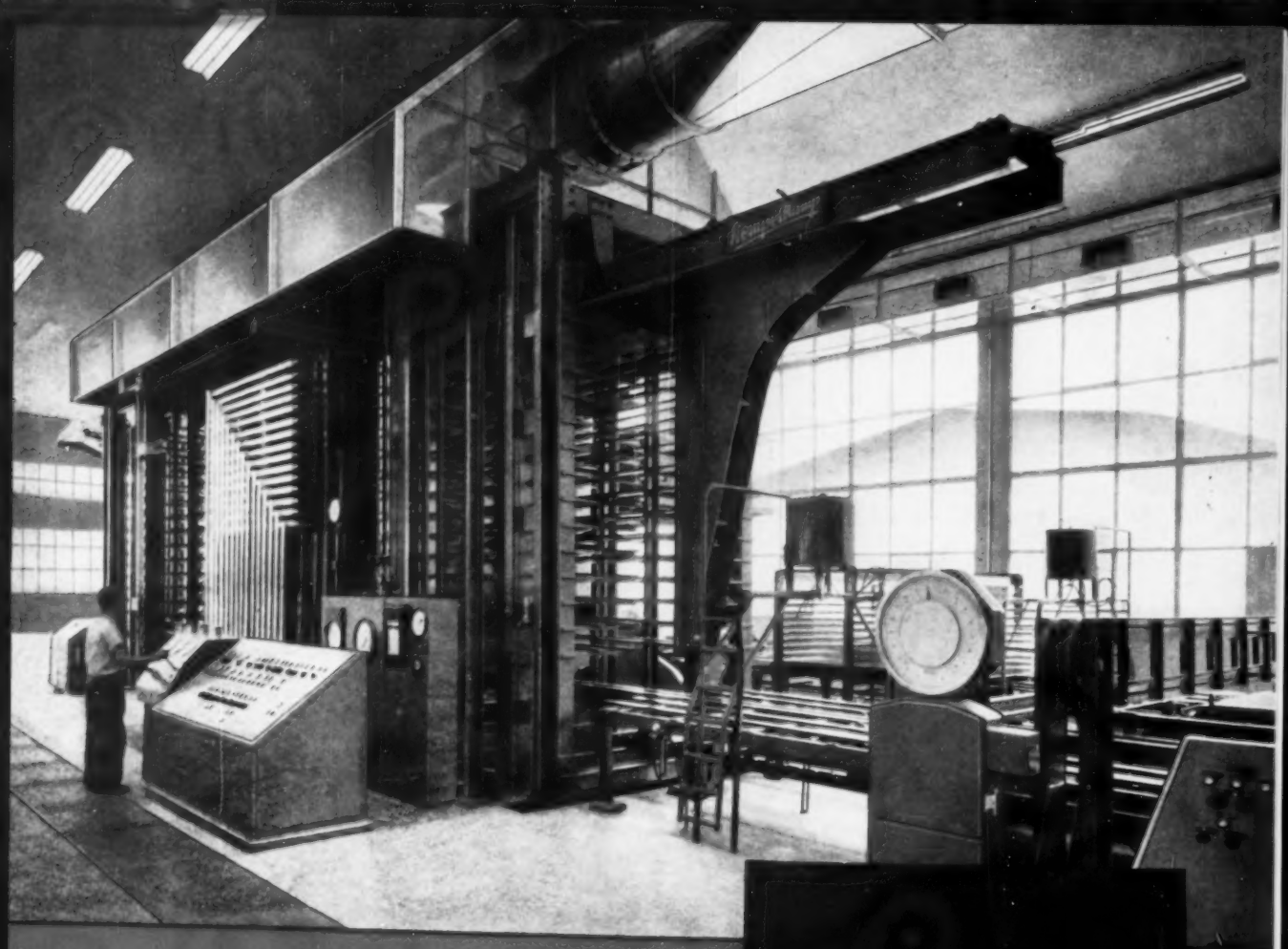

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P. O. Box 750, Coos Bay, Oregon.
Phone: Congress 7-2193; Teletype Coos Bay 842.
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 45,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe, 1 dryer, 1 cold press. Maximum size press: 4x8 ft.
PERSONNEL:
F. Willis Smith, pres.; Howard A. Page, sls. mgr.; William Winkel, plant supt.; C. Wylie Smith, vice-pres.
SALES AGENTS:
Coos Head Lumber and Plywood Co., P. O. Box 305, Wilmington, Calif.

COQUILLE VALLEY LBR. CO., INC.

Milwaukie, Oregon.
Phone: Olive 4-6561.
Home office: Swisshome, Oregon.
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 60,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 dryer, 1 cold press, 2 hot presses. Maximum size press: 4x8 ft.
PERSONNEL:
Leon Guggenbickler, pres.; Ray Buckner, plant supt.; Frank Smith, plant mgr.; Noble H. Chowning, gen. mgr.; Noble H. Chowning, Jr., sls. mgr.

COQUILLE PLYWOOD

(Division of Textron, Inc.)
Bandon, Oregon.
Phone: Filmore 7-2511.
Home office: Box 215, Coquille, Ore.
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 49,400,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe, 2 dryers, 1 hot press. Maximum press size: 4x8 ft.
PERSONNEL:
Wm. C. Ulett, pres. and gen. mgr.; Stan E. Sherwood, sls. mgr.; Wm. A. Parry, plant supt.; Milton Rodger, plant mgr.

COQUILLE PLYWOOD

(Division of Textron, Inc.)
Box 215, Coquille, Oregon.
Phone: 2722.
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 112,000,000 sq. ft. Douglas fir.
EQUIPMENT:
2 lathes, 4 dryers, 2 hot presses. Maximum size press: 4x8 ft.
PERSONNEL:
Wm. C. Ulett, pres. and gen. mgr.; Stan E. Sherwood, sls. mgr.; Gordon Ellison, plant mgr.; Wm. A. Parry, plant supt.
SALES AGENTS:
Branch sales office: 525 Market St., San Francisco, Calif. Phone: Douglas 2-0966.

CORVALLIS PLYWOOD

P. O. Box 411, Airport Road, Corvallis, Oregon.
Phone: Pl. 3-4463; Teletype: 562.
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 108,000,000 sq. ft. Douglas fir.
EQUIPMENT:
2 dryers, 1 cold press, 1 hot press. Maximum size press: 4x8 ft.
PERSONNEL:
J. A. Overgard, pres., sls. mgr. and gen. mgr.; William Vance, plant supt.

CUSTOM PLYWOOD, INC.

2755 Ament Dam Road, Grants Pass, Oregon.
Phone: Greenwood 6-4431; Teletype Grants Pass 154.
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 36,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 dryer, 1 cold press. Maximum press size: 4x8 ft.
PERSONNEL:
B. D. Mitchell, pres.; H. R. Blacketor, sls. gen. and plant mgr.; Ray Smith, plant supt.
SALES AGENTS:
North-Robbins Plywood, Inc., 400 Boren Ave. North, Seattle, Wash.

DIAMOND LUMBER CO.

Tillamook, Oregon.
Home office: 323 Pittock Block, Portland 5, Oregon.
Phone: Capital 2-9805; Teletype PD 499.
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 70,000,000 sq. ft Douglas fir; 4,000,000 sq. ft. Philippine mahogany; 5,000,000 sq. ft. hemlock; 9,000,000 sq. ft. spruce; 500,000 sq. ft. oak; 500,000 sq. ft. walnut; 2,000,000 sq. ft. other species.
SPECIAL PRODUCTS:
18,000,000 sq. ft. plastic or paper overlays; 8,000,000 sq. ft. hardwood faced panels; 1,000,000 sq. ft. Texture One-Eleven; 5,000,000 sq. ft. scarfed panels; 1,000,000 sq. ft. of 2.4.1 panels; 1,000,000 sq. ft. sliced veneer panels; 6,000,000 sq. ft. cut up items; 5,000,000 sq. ft. marine grade plywood; 8,000,000 sq. ft. Diamond Super Siding.
EQUIPMENT:
2 lathes, 2 dryers, 2 hot presses. Maximum size press: 4x8 ft.
PERSONNEL:
Roy A. Gould, pres.; Carl J. Hen-

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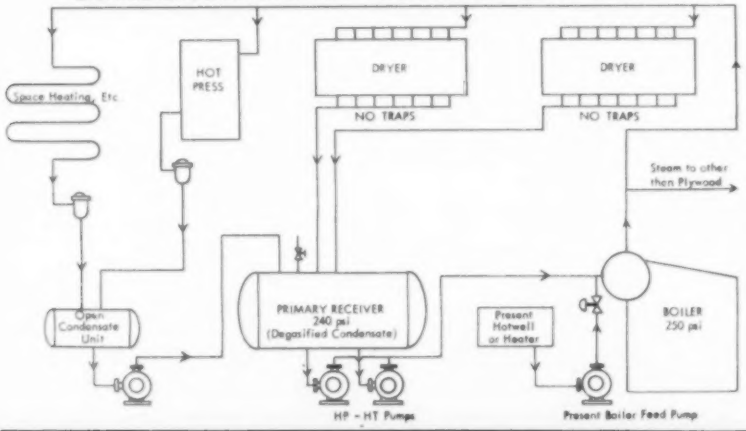

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ning, sls. mgr.; Douglas Knokey, plant supt.; Eugene R. Knokey, plant mgr.

SALES AGENTS:
Diamond Lumber Co., 4711 W. 77th Place, Kansas City, Mo.; Diamond Lumber Co., P. O. Box 53, Wichita, Kan.

DRAIN PLYWOOD CO.

Box 297, Drain, Oregon.
Phone: Temple 6-9144.

ANNUAL CAPACITY:
(3/8-inch, 3-ply) 50,000,000 sq. ft. Douglas fir.
(1/8-inch basis) 150,000,000 sq. ft. Douglas fir.

EQUIPMENT:
2 lathes, 1 hot press, 1 dryer. Maximum press size: 5x10 ft.

PERSONNEL:
Harold Woolley, pres.; W. H. Gonyea, vice-pres.; Harold G. Horn, vice-pres.; Harold M. Buckner, mgr.; Frank Clarke, sls. mgr.; Don G. Betson and A. L. Ramey, foremen.

SALES AGENTS:
Clear Fir Sales, Box 188, Springfield, Oregon.

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UNDER CONSTRUCTION—to be in operation June, 1958.

EUGENE PLYWOOD CO.

2511 West 6th St., P. O. Box 3486, Eugene, Oregon.
Phone: Diamond 5-0156.

ANNUAL CAPACITY:
(3/8-inch, 3-ply) 48,000,000 sq. ft. Douglas fir.

EQUIPMENT:
1 dryer, 1 hot press. Maximum press size: 4x8 ft.

PERSONNEL:
Hayden Hastings, pres. and gen. mgr.; Doyle Hastings, vice-pres. and plant supt.; Ralph Cole, sec.-treas.

SALES AGENTS:
Harold R. Jones, Inc., Eugene, Ore.

EVANS PRODUCTS COMPANY

Box 839, Coos Bay, Oregon.
Phone: Congress 7-3194; Teletype 751.

ANNUAL CAPACITY:
(3/8-inch, 3-ply) 54,000,000 sq. ft. Douglas fir.

EQUIPMENT:
2 lathes, 2 dryers, 1 hot press.

PERSONNEL:
E. S. Evans, Jr., pres.; C. H. Short, vice-pres. western div.; W. J. Ritchie, vice-pres., sls. mgr.; E. G. Extra, ass't. sls. mgr.; H. W. Bullard, prod. mgr.

EVANS PRODUCTS CO.

Roseburg, Oregon.
Phone: Orchard 2-2646.
Home office: Coos Bay, Oregon.

ANNUAL CAPACITY:
(3/8-inch, 3-ply) 40,000,000 sq. ft. Douglas fir.

EQUIPMENT:
1 lathe, 1 dryer, 1 hot press.

PERSONNEL:
E. S. Evans, Jr., pres.; C. J. Short, vice-pres., western div.; W. J. Ritchie, vice-pres., sls. mgr.; R. G. Extra, ass't. sls. mgr.; Harold Hall, plant supt.

FIR-PLY, INC.

White City, Oregon.
Home office: P. O. Box 9, Medford, Oregon.
Phone: Talbot 6-2811.

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PLYWOOD

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CALOR GAS COMPANY
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Telephone YUkon 2-3360
Serving Western America

ANNUAL CAPACITY:
(⅜-inch, 3-ply) 36,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe, 1 dryer, 1 cold press. Maximum size press: 4x8 ft.
PERSONNEL:
Carl Jacobson, pres. and gen. mgr.; E. A. Clark, plant mgr.
SALES AGENTS:
Northwest Door & Plywood Sales, Inc., Tacoma, Wash.

GEORGIA-PACIFIC CORP.

Toledo, Oregon.
Phone: 3-2211; Teletype TOL.ORE. 383.
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 45,000,000 sq. ft. Douglas fir.
SPECIAL PRODUCTS:
5,000,000 sq. ft. Texture One-Eleven; 5,000,000 sq. ft. 2.4.1 panels.
EQUIPMENT:
3 lathes, 3 dryers, 2 hot presses.
PERSONNEL:
R. B. Pamplin, pres.; Robert E. Flowerree, Jr., vice-pres. and gen. mgr.; W. H. Hunt, vice-pres. and gen. sls. mgr.; Arthur P. West, plant supt.; Milton B. Luton, plant mgr.; Frank V. Langfitt, Jr., sls. mgr.

GIUSTINA VENEER CO.

Box 989, Eugene, Oregon.
Phone: DI 5-2301; Teletype EG 064.
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 36,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe, 1 dryer, 1 hot press. Maximum size press: 4x8 ft.
PERSONNEL:
N. B. Giustina, pres.; Harold Sanderson, plant mgr.; R. H. Rushing, sls. mgr.

GRANTS PASS PLYWOOD, INC.

125 N. E. Mill St., P. O. Box 670, Grants Pass, Oregon.
Phone: Greenwood 6-4474; Teletype 159.
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 60,000,000 sq. ft. Douglas fir; 5,000,000 sq. ft. spruce.
SPECIAL PRODUCTS:
5,000,000 sq. ft. hardboard faced.
EQUIPMENT:
2 dryers, 1 cold press, 1 hot press. Maximum press size: 5x10 ft.
PERSONNEL:
F. A. Johnson, pres. and gen. mgr.; L. V. St. Onge, sls. mgr.; C. A. Jones, plant supt.
SALES AGENTS:
Plywood & Veneer Sales Co., P. O. Box 370, Grants Pass, Oregon.

HINES (EDWARD) LUMBER CO.

Westfir, Oregon.
Phone: Oakridge 2-2211; Teletype: Oakridge 062.
Home office: 77 West Washington St., Chicago 2, Illinois.
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 50,000,000 sq. ft. Douglas fir.
SPECIAL PRODUCTS:
500,000 sq. ft. plastic or paper overlays.
EQUIPMENT:
2 lathes, 2 dryers, 2 hot presses. Maximum size press: 4x8 ft.
PERSONNEL:
Charles M. Hines, pres.; Howard R. Lemons, gen. mgr.; Sy Rodakowski, sls. mgr.; James H. Anthony, plant mgr., lumber; Clarence Herman, plant supt., plywood.

HUB CITY PLYWOOD CORP.

Box 254, Albany, Oregon.
Phone: Wabash 6-2239.
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 60,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 dryer, 1 cold press. Maximum press size: 4x8 ft.
PERSONNEL:
Elton Disher, pres. and gen. mgr.; William F. Gwinn, sls. mgr.; Elmer Salo, plant mgr.

INTERNATIONAL PAPER CO.

(Long-Bell Division)
Gardiner, Oregon.
Home office: P. O. Box 1079, Longview, Wash.
Phone: HA 3-2110; Teletype 375.
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 50,000,000 sq. ft. Douglas fir.
SPECIAL PRODUCTS:
700,000 sq. ft. hardwood faced panels; 800,000 sq. ft. scarfed panels; 100,000 sq. ft. 2.4.1 panels.
EQUIPMENT:
2 lathes, 2 dryers, 2 hot presses. Maximum press size: 4x8 ft.
PERSONNEL:
J. D. Leland, vice-pres.; E. H. Houston, gen. sls. mgr.; H. G. Kelsey, gen. mgr. of western operations; A. J. Myers, br. mgr.; F. L. Foval, ass't. to sls. mgr.; F. N. McCullah, plywood sls.; R. Forsyth, plant supt.
SALES AGENTS:
International Paper Co. Sales offices in all major cities.

INTERNATIONAL PAPER CO.

(Long-Bell Division)
Vaughn, Oregon.
Mailing address: P. O. Box 632, Eugene, Oregon.
Home office: P. O. Box 1079, Longview, Wash.
Phone: HA 3-2110; Teletype 375.

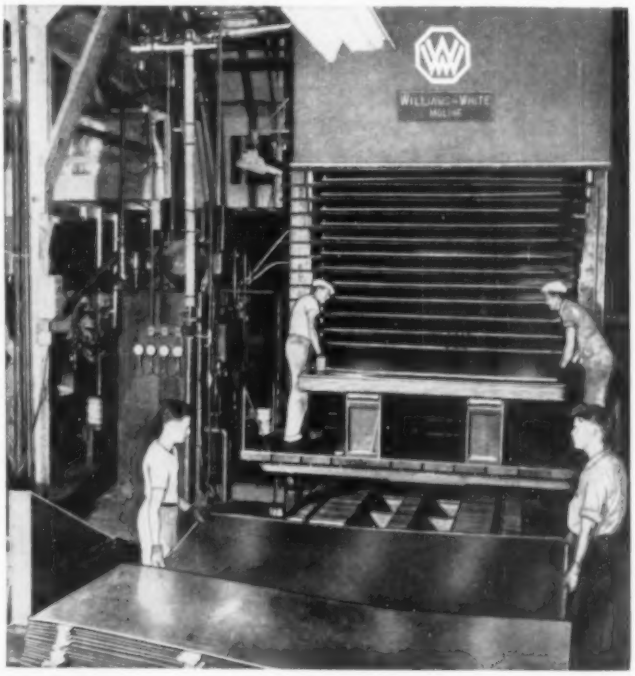
WILLIAMS-WHITE HOT PLATE PRESSES

For Better Products

An excellent WILLIAMS-WHITE Hydraulic Hot Plate Press installation is shown in the photograph at right. Whether producing 12" x 12" or 48" x 192" panels, the experience accumulated in building hydraulic hot plate presses since 1933 becomes an integral part of each WILLIAMS-WHITE Press furnished to the plywood, particle board or allied industries. We invite you to discuss your requirements with us before you buy. Write for complete information.

The press illustrated is a 20 opening, 1,484 ton, 106" x 56" WILLIAMS-WHITE Hot Plate Press in the GPX Plastic Surfaced Plywood operation in the Olympia, Washington, plant of Georgia-Pacific Corp.

BUILDERS OF MACHINERY SINCE 1854



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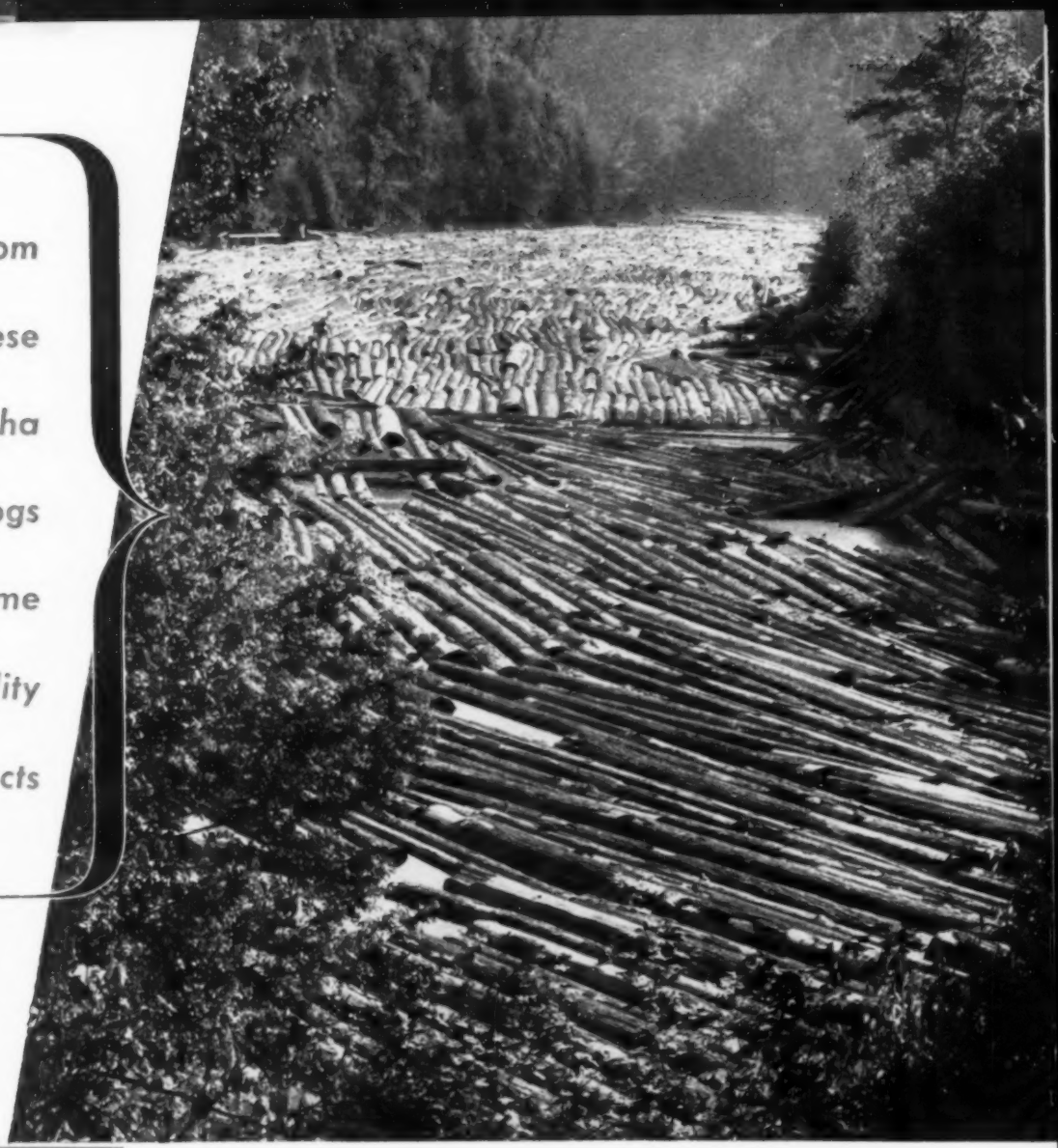
PERINE MACHINERY & SUPPLY CO., Seattle, Wash.
WILLIAMS-WHITE & CO., 53 W. Jackson Blvd., Chicago

from these Menasha logs come quality products



What you see is a river borne cargo of logs enroute to our plywood plant from Menasha forest lands comprising millions of board feet of old growth Douglas fir.

What you don't see is Menasha's modern, efficient plywood mill with annual capacity of 84 million square feet 3/8" basis, and a streamlined stud mill with capacity of 36 million board feet yearly.

And what goes almost without saying is that *back* of perpetual supply, and *back* of quality production, lie deep-rooted Menasha policies:

Integrity of management . . . Square dealing with and dependable service to customers . . . Stability of ownership with millions of dollars invested in timber and in manufacturing facilities . . . An eye on tomorrow's markets through product research programs . . . And support to customers with sales and merchandising programs on Menasha products.

Interior and Exterior Plywood

Jumbo Marked Sheathing

Packaged Studs

Sales Agent: Menasha Sales Corporation, North Bend

DFPA TESTED QUALITY

MENASHA PLYWOOD CORPORATION

North Bend, Oregon

Subsidiary of Menasha Wooden Ware Corp., Menasha, Wis.

ANNUAL CAPACITY:
(⅜-inch, 3-ply) 55,000,000 sq. ft. Douglas fir.
SPECIAL PRODUCTS:
Plycrate.
EQUIPMENT:
2 lathes, 2 dryers, 2 hot presses. Maximum press size: 5x10 ft.
PERSONNEL:
J. D. Leland, vice-pres.; E. H. Houston, gen. sls. mgr.; H. G. Kelsey, gen. mgr. of western operations; J. M. White, Jr., branch mgr.; F. L. Foval, ass't. to gen. sls. mgr.; F. N. McCullah, plywood sls.; A. Carter, plant supt.
SALES AGENTS:
International Paper Company—(Long-Bell Division.) Sales offices in all major cities.

JEFFERSON PLYWOOD CO.

Madras, Oregon.
Phone: 2902.
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 45,000,000 sq. ft. Douglas fir; 5,000,000 sq. ft. white fir and larch.
EQUIPMENT:
1 lathe, 1 dryer, 1 cold press, 1 hot press. Maximum press size: 4x8 ft.
PERSONNEL:
Philip Dahl, pres.; S. S. Johnson, sec.-treas.; J. P. Andrews, gen. mgr.; O. B. Williams, sls. mgr.

KLAMATH HARDWOOD CO., INC.

P. O. Box 431, Klamath Falls, Ore.
Phone: Tuxedo 2-4453.
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 24,000,000 sq. ft. maple, birch, Philippine mahogany, oak, walnut; 20,000,000 sq. ft. Douglas fir, white pine, ponderosa pine.
SPECIAL PRODUCTS:
Tokette brand plywood (hardwoods and softwoods).
EQUIPMENT:
2 lathes, 2 dryers, 2 hot presses. Maximum press size: 4x8 ft.
PERSONNEL:
A. J. Honzel, pres. and gen. mgr.; L. L. Palmerton, vice-pres.; Brady Narey, sec.-treas.; Donald M. Rigby, sls. mgr. and ass't. mgr.; A. J. Honzel, Jr., production mgr.
SALES AGENTS:
Clear Fir Sales, P. O. Box 188, Springfield, Oregon.

LANE PLYWOOD, INC.

Route 5, Box 28, Eugene, Oregon.
Phone: Diamond 4-4289; Teletype EG 052.
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 72,000,000 sq. ft. Douglas fir.
SPECIAL PRODUCTS:
200,000 sq. ft. 2.4.1 panels.
EQUIPMENT:
1 lathe, 2 dryers, 1 cold press, 1 hot press. Maximum press size: 4' 4" x 8' 6".
PERSONNEL:
J. A. Morgan, pres.; Miles S. Munson, gen. and sls. mgr.; Henry Blair, plant supt.

LINN PLYWOOD CORP.

10th and Hill Sts., Albany, Oregon.
Phone: Wabash 6-1513; Teletype 697.
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 84,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe, 3 dryers, 3 cold presses. Maximum press size: 8 ft.
PERSONNEL:
Ed Kellenberger, receiver and gen. mgr.; C. Dean Johnson, sls. mgr.; Ron Groshong, plant supt.
SALES AGENTS:
Roddis Plywood Corp.

LINNTON PLYWOOD ASSOCIATION

Telephone: AV 6-3672.
Teletype: PD 777.
10504 N. W. St. Helens Road, Portland 9, Oregon.
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 60,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe, 2 dryers, 1 cold press, 1 hot press.
PERSONNEL:
L. M. Hale, pres., gen. mgr., plant mgr.; Jack Paul, plant supt.
SALES AGENTS:
Georgia-Pacific Corporation, Portland, Oregon.

THE MARTIN BROS. CONTAINER & TIMBER PRODUCTS CORP.

P. O. Box 698, Oakland, Oregon.
Phone: 2211-2212; Teletype Oak. Ore. 86.
Home office: 39 Blucher St., P. O. Box 697, Toledo 1, Ohio.
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 66,000,000 sq. ft. Douglas fir.
SPECIAL PRODUCTS:
3,300,000 sq. ft. brushed panels; 1,320,000 sq. ft. sliced veneer panels; 1,320,000 sq. ft. hardwood veneer.
EQUIPMENT:
2 lathes, 2 dryers, 1 cold press, 1 hot press.
PERSONNEL:
F. J. Martin, chairman; D. J. Martin, pres. and sls. mgr.; Joe Perrault, plant supt.; Ray Martin, plant mgr.

a = American Automation

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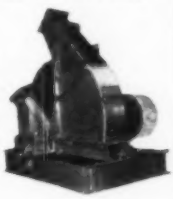
Produce...
marketable chips from sawmill waste

MURCO Wastewood CHIPPERS

From slabs, edgings, planer mill trimmings, round wood, veneer cores, mill waste, etc., you can produce specification-size pulp-wood chips with MURCO Wastewood Chippers, as many mills throughout the country are now doing. They have stopped burning dollars and are now selling chips. MURCO Wastewood Chippers are preferred for their outstanding performance, producing more and better chips at less cost with less sawdust and slivers, free from repairs.

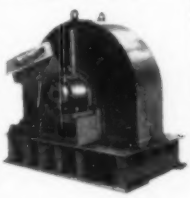
MURCO SMALL LOG CHIPPERS

Designed for use on round logs where production demand is relatively small . . . made in disc diameters 36", 42", 48", 54", and 60" . . . illustrated with V-Spout and blower housing.



MURCO MULTI-KNIFE CHIPPERS

MURCO 12-Knife high speed Wastewood Chipper is designed along the general lines of the standard MURCO Pulpwood Chipper, ruggedly built and is used where high production is required to produce a high quality chip . . . made in disc diameters 56", 64", and 72".



MURCO MECHANICAL FEED WASTEWOOD CHIPPERS

Made in 75" disc diameter, MURCO Mechanical Feed 4-knife Wastewood Chipper has angle feed for over-head processing of slabs and edgings for chipping process at floor level . . . also available in horizontal type mechanical feed where head room is at a premium.

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MEDFORD VENEER & PLYWOOD CORP.

White City, Medford, Oregon.
Home office: 1103 N. Riverside Ave., P. O. Box 507, Medford, Oregon.
Phone: 3-3601; Teletype MF 90.
ANNUAL CAPACITY:
(3/8-inch, 3-ply) 60,000,000 sq. ft. Douglas fir.
SPECIAL PRODUCTS:
2.4.1 panels.
EQUIPMENT:
1 lathe, 2 dryers, 1 cold press, 1 hot press.
PERSONNEL:
Paul McDonald, pres.; Glen L. Jones, gen. mgr.; Weldon M. Zemlicka, plant supt.
SALES AGENTS:
Western Forest Sales Corp., P. O. Box 1116, Santa Barbara, Calif.

MENASHA PLYWOOD CORP.

Box 877, North Bend, Oregon.
Phone: Skyline 9-2751; Teletype: Coos Bay 65U.
ANNUAL CAPACITY:
(3/8-inch, 3-ply) 84,000,000 sq. ft. Douglas fir.
SPECIAL PRODUCTS:
2.4.1 panels, as ordered; ship lap edges & V grooving; Texture One-Eleven.
EQUIPMENT:
2 lathes, 2 dryers, 1 cold press, 1 hot press. Maximum press size: 4x10 ft.
PERSONNEL:
D. G. Turner, pres.; A. P. Stinchfield, gen. mgr.; W. G. Craig, sls. mgr.; Ted Meyers, plant supt.; Don Wright, production mgr.
SALES AGENTS:
Jenkins-Dickson Co., P. O. Box 664, Charlotte, N. C.; Vincent R. Daley, 1246 Hood Avenue, Chicago 40, Ill.; East Coast Mill Sales Co., Mr. L. E. Gildea, Mr. Morton S. Waldfogel, 330 Rutherford Ave., Charlestown 29, Mass.; Carl J. Remick, 560 W. Briar Lane, Green Bay, Wisc.; W. H. Bushnell, 1607 W. Howard St., Chicago 26, Ill.; C. W. Russell & Associates, P. O. Box 847, Marshall, Tex.

MONAGHAN PLYWOOD CO.

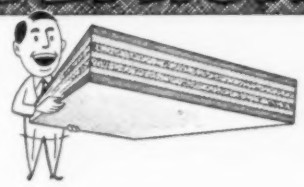
Hwy 99 North, Eugene, Oregon.
Home office: 2672 Harris St., Eugene, Oregon.
Phone: Diamond 4-3670.
ANNUAL CAPACITY:
(3/8-inch, 3-ply) 3,800,000 sq. ft. Douglas fir; 200,000 sq. ft. cottonwood.
SPECIAL PRODUCTS:
500,000 sq. ft. brushed panels; 2,000,000 sq. ft. cut up items; plywood pallets.
EQUIPMENT:
1 dryer, 1 cold press. Maximum press size: 4x8 ft.
PERSONNEL:
A. L. Hoffman, pres.
SALES AGENTS:
Monaghan Plywood Sales Co.

MULTI-USE PANEL CORP.

Irving Road, P. O. Box 789, Eugene, Oregon.
Phone: Diamond 5-2381.
ANNUAL CAPACITY:
(3/8-inch, 3-ply) 60,000,000 sq. ft. Douglas fir.

Another DFPA TESTED QUALITY **DURABLE PRODUCT!**

PLYRON



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FIR PLYWOODS
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. . . with direct truck deliveries

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STANDARD
VENEER & TIMBER CO.
P. O. BOX 578
CRESCENT CITY, CALIF.
PHONE 9331 • TWX 773

SPECIAL PRODUCTS:
500,000 sq. ft. brushed panels; 500,000 sq. ft. Texture One-Eleven.
EQUIPMENT:
2 dryers, 1 hot press. Maximum press size: 4x8 ft.
PERSONNEL:
Harold R. Jones, pres.; Vance Vollmer, gen. mgr.; Ivan Taylor, plant supt.; Nick Daviscourt, plant mgr.
SALES AGENTS:
Harold R. Jones, Inc., Eugene, Ore. John Prince, sls. mgr.

MULTNOMAH PLYWOOD CORP.

1500 S. W. Harbor Drive, Portland, Oregon.
Phone: Capitol 8-8523; Teletype PD 483.
ANNUAL CAPACITY:
(3/8-inch, 3-ply) 60,000,000 sq. ft. Douglas fir.
SPECIAL PRODUCTS:
200,000 sq. ft. hardwood faced panels, birch; 200,000 sq. ft. knotty pine; 500,000 sq. ft. vertical grain.
EQUIPMENT:
2 lathes, 3 slicers, 2 dryers, 2 cold presses, 1 hot press. Maximum press size: 5x10 ft.
PERSONNEL:
F. J. Bickel, pres.; A. J. Boho, sls. mgr.; A. T. Nelson, gen. mgr.; W. Balo, supt.

NATRON PLYWOOD CO.

P. O. Box 295, Springfield, Oregon.
Phone: RI 7-3371.
ANNUAL CAPACITY:
(3/8-inch, 3-ply) 45,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe, 1 dryer, 1 cold press. Maximum press size: 4x8 ft.
PERSONNEL:
Gordon W. Tripp, pres. and gen. mgr.; John Svejcar, sls. mgr.; Earl Dunsworth, dry end plant supt.; Bill Kirk, green end plant supt.

NORDIC PLYWOOD, INC.

Sutherlin, Oregon.
Phone: 2232; Teletype Oak 63.
ANNUAL CAPACITY:
(3/8-inch, 3-ply) 36,000,000 sq. ft. Douglas fir.
EQUIPMENT:
2 dryers, 1 cold press, 1 hot press.
PERSONNEL:
J. R. Adams, pres. and sls. mgr.; Pete Huven, plant supt.; N. H. Jacobson, plant mgr.

OREGON PLYWOOD CORP.

Sweet Home, Oregon.
Phone: Empire 7-2000.
ANNUAL CAPACITY:
(3/8-inch, 3-ply) 30,000,000 sq. ft. Douglas fir.
SPECIAL PRODUCTS:
Brushed panels.
EQUIPMENT:
2 lathes, 1 dryer, 1 hot press.
PERSONNEL:
Franklin A. Hofheins, pres.; B. E. Beaman, plant supt.
SALES AGENTS:
Oregon Plywood Sales Corp., 1234 Broadway St., Buffalo 12, N. Y.

OREGON VENEER CO.

White City, Oregon.
Home office: 1103 N. Riverside, Medford, Oregon.
Phone: SP 3-3601; Teletype MF 90.
ANNUAL CAPACITY:
(3/8-inch, 3-ply) 48,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe, 1 dryer, 1 cold press. Maximum press size: 4x8 ft.

MTC

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Traveling Saws for Panel Cutup and Special Machinery.

GREENLEE BROS. & COMPANY
Precision Skinner Saws & Cutoff Saws. Also Machines for Cutup & Specialty Work.

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LAMB-GRAYS HARBOR COMPANY
Veneer Hogs and Special Machinery

THE CARDWELL MACHINE COMPANY
Tangential Separators & Veneer Tenderizers

C. F. MACHINERY COMPANY
Veneer Clippers, Hardboard and Plywood Handling Equipment.

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TALLMAN MACHINERY COMPANY, INC.

P. O. Box 117 Phone GReenwood 2161 Lynnwood, Washington

Vice-President S. E. Magness, Wilson Building Materials Company, Inc., stands beside his firm's new 604 Diehl Moulder. This machine runs over 600,000 L-FT. of Ponderosa pine and oak a week through the moulder.

"Feature for feature, nothing compares with the DIEHL 604 Moulder!"

says Vice-President Magness, Wilson Building Materials Co., Inc.

Specializing in ready-hung doors and window parts, Wilson Building Materials Company, Clifton, Texas, runs over 600,000 L-FT. of Ponderosa pine and oak every week through its new 604 Diehl Moulder.

Speaking of the new moulder, Vice-President S. E. Magness says, "This is really a well-designed machine. We find set-ups are easier and faster to make on the 604 Moulder . . . they have to be, for we're making up to 6 a day! Also, we can change to tapered rolls in less than 10 minutes!"

Of other features on the Diehl 604, Mr. Magness says, "The ratchet adjustment on all the heads is a real convenience . . . and we believe Diehl really has something with its direct-current braking—it's excellent. We like the control panel away from the machine. We have it mounted on the wall where it's easy and quick to check.

As for the 604's production, he adds, "We run finger joints at the same speed we run solids through the machine . . . and it takes a mighty good moulder to do that!"

This is just one of the satisfactory reports you'll hear about Diehl's new line of moulders . . . in 12″, 8″ and 6″ sizes. For complete details write for Bulletin M-657 on the 12″ Model 124; or M-957 on the 8″ Model 804 and 6″ Model 604.

Write today to The G. M. Diehl Machine Works, Inc., Wabash, Indiana, or ask your local Exclusive Diehl Representative for complete details.

The G. M. Diehl Machine Works, Inc., Wabash, Indiana

Frank E. Jones Machinery Corporation
Los Angeles 21, California

Rowney Machinery Company
Oakland 12, California

Tyee Machinery Company
Seattle 4, Washington

GRANTS PASS PLYWOOD INC.

GRANTS PASS, OREGON

Producers of quality Douglas Fir Plywood in all grades of interior and exterior. Sizes up to and including 5 x 10'. ND and NN Grades.

EXCLUSIVE SALES AGENT:

PLYWOOD & VENEER SALES CO.

P. O. Box 670, Grants Pass, Oregon
Phone: GReenwood 6-4474 TWX: Grants Pass Ore 159

Sales Manager: L. V. "LARRY" ST. ONGE

PERSONNEL:
Loren Haugen, pres.; Ray M. Sorenson, mgr.; Jack Clark, plant supt.
SALES AGENTS:
International Forest Products

OREGON-WASHINGTON PLYWOOD CO.

Garibaldi, Oregon.
Phone: Garibaldi 241.
ANNUAL CAPACITY:
(3/8-inch, 3-ply) 80,000,000 sq. ft. Douglas fir.
EQUIPMENT:
2 lathes, 3 dryers, 2 cold presses, 1 hot press. Maximum press size: 4x10 ft.
PERSONNEL:
A. F. Wiggers, vice-pres. and gen. mgr.; C. G. Patton, sls. mgr. and plant mgr.; Robert Hamann, plant supt.

PACIFIC PLYWOOD CO.

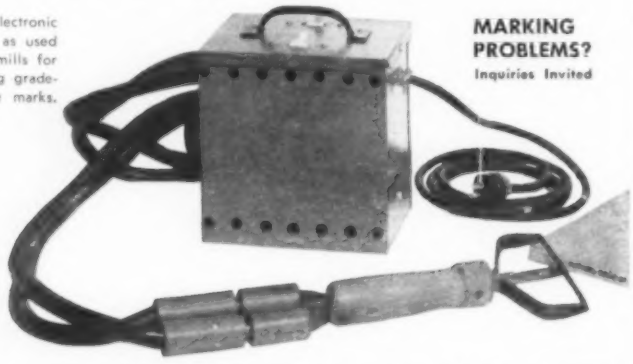
Box 78, Dillard, Oregon.
Phone: Osborne 9-8781; Teletype TWX RS 54U.
ANNUAL CAPACITY:
(3/8-inch, 3-ply) 60,000,000 sq. ft. Douglas fir.
SPECIAL PRODUCTS:
Embossed plywood.
EQUIPMENT:
2 lathes, 2 dryers, 1 cold press. Maximum press size: 4x8 ft.
PERSONNEL:
William F. Forrest, pres.; Paulus F. McKee, gen. mgr.; John J. Longfellow, sls. mgr.; Ed C. Klemmer, plant supt.

Tacoma Rubber Stamp Co.

917 Commerce St. FULton 3-5433 Tacoma 1, Wash.

Developers and manufacturers of stamping, stenciling and electric branding equipment for the plywood, lumber and lumber products industries.

Illustrated: Electronic branding device as used in fir plywood mills for edge-branding grademarks and trade marks.



MARKING PROBLEMS?
Inquiries Invited

MARKING DEVICES TAILORED TO SUIT YOUR NEEDS

SALES AGENTS:
Plywood Service, Inc., Dillard, Oregon.

PLYWOOD PRODUCTS CORP.

Camp Adair, Oregon.
Phone: Corvallis PL 22461 & Albany WA 63511.
Home office: P. O. Box 609, Corvallis, Oregon.
ANNUAL CAPACITY:
(3/8-inch, 3-ply) 144,000,000 sq. ft. Douglas fir.
EQUIPMENT:
3 dryers, 3 cold presses.
PERSONNEL:
John S. Brandis, pres.; Roy J. Foy, gen. mgr.; Jerry Robinson, sls. mgr.; Rod Brenneman, plant mgr.
SALES AGENTS:
Plywood Products Sales Co.

ROSEBURG LUMBER CO.

(Plant No. 1)
Dillard, Oregon.
Home office: Box 1091, Roseburg, Oregon.
Phone: OS 98741.
ANNUAL CAPACITY:
(3/8-inch, 3-ply) 72,000,000 sq. ft. Douglas fir.
SPECIAL PRODUCTS:
1,500,000 sq. ft. hardwood faced panels; 500,000 sq. ft. brushed panels; 4,000,000 sq. ft. Texture One-Eleven; 250,000 sq. ft. scarfed panels; 200,000 sq. ft. hardboard faced; 100,000 sq. ft. cut up items.
EQUIPMENT:
2 lathes, 2 dryers, 1 cold press, 2 hot presses. Maximum press size: 5x8 ft.
PERSONNEL:
K. W. Ford, pres.; Earl Bliele, sls. mgr.; C. H. Pearson, plant mgr.; C. E. Olmsted, plant supt.

ROSEBURG LUMBER CO.

(Plant No. 2)
Dillard, Oregon.
Home office: Box 1091, Roseburg, Oregon.
Phone: OS 98741.
ANNUAL CAPACITY:
(3/8-inch, 3-ply) 117,000,000 sq. ft. Douglas fir; 3,000,000 sq. ft. hemlock.
EQUIPMENT:
3 dryers, 3 hot presses. Maximum press size: 5x10 and 4x8 ft.
PERSONNEL:
K. W. Ford, pres.; Earl Bliele, sls. mgr.; C. H. Pearson, plant mgr.; Brian Counts, plant supt.

SIMPSON LOGGING CO.

P. O. Box 475, Albany, Oregon.
Phone: Wabash 6-2228.
ANNUAL CAPACITY:
(3/8-inch, 3-ply) 56,250,000 sq. ft. Douglas fir.
SPECIAL PRODUCTS:
Panels up to 8" thick; scarfed panels; 2.4.1 panels.
EQUIPMENT:
1 lathe, 2 dryers, 2 hot presses. Maximum press size: 4x10 ft.
PERSONNEL:
C. H. Bacon, Jr., vice-pres.; H. W. McClary, mgr.; Harold Johns, sls. mgr.; E. V. Bennett, plant mgr.; Ray Robb, plant supt.

SIMPSON LOGGING CO.

Lyons, Oregon.
Phone: Ulrich 9-2323.
ANNUAL CAPACITY:
(3/8-inch, 3-ply) 75,000,000 sq. ft. Douglas fir.
SPECIAL PRODUCTS:
Brushed panels; striated panels; scarfed panels; 2.4.1 panels; cut up items; embossed fir; rotary pine.

EQUIPMENT:
1 lathe, 2 dryers, 2 hot presses. Maximum press size: 5x10 ft.
PERSONNEL:
C. H. Bacon, Jr., vice-pres.; H. W. McClary, gen. mgr.; Harold Johns, sls. mgr.; Guy M. Hartle, plant mgr.; E. Novak, plant supt.

SIMPSON LOGGING CO.

2301 N. Columbia Blvd., Portland, Oregon.
Phone: AV 6-0634.
ANNUAL CAPACITY:
(3/8-inch, 3-ply) 43,100,000 sq. ft. Douglas fir; 4,000,000 sq. ft. Philippine mahogany; 22,700,000 sq. ft. birch; 5,200,000 sq. ft. knotty pine.
SPECIAL PRODUCTS:
Hardwood faced panels; sliced veneer panels; cut up items; jumbo panels up to 8'x12' in one piece.
EQUIPMENT:
2 lathes, 1 slicer, 5 dryers, 4 hot presses. Maximum press size: 8x12 ft.
PERSONNEL:
C. H. Bacon, Jr., vice-pres.; H. W. McClary, mgr.; Harold Johns, sls. mgr.; Fred J. Pierson, plant mgr.; W. E. Quay, plant supt.

SNELLSTROM LUMBER CO.

2818 West Sixth Ave., P. O. Box 449, Eugene, Oregon.
Phone: Diamond 4-1455; Teletype EG 044.
ANNUAL CAPACITY:
(3/8-inch, 3-ply) 54,000,000 sq. ft. Douglas fir; 1,000,000 sq. ft. hemlock.
SPECIAL PRODUCTS:
2,500,000 sq. ft. Texture One-Eleven; 1,000,000 sq. ft. 2.4.1 panels.
EQUIPMENT:
1 lathe, 2 dryers, 2 hot presses. Maximum press size: 4x8 ft.
PERSONNEL:
Chas. Snellstrom, pres. and gen. mgr.; E. F. Wade, sls. mgr.; Axel T. Olson, plant supt.

SOUTHERN OREGON PLYWOODS, INC.

605 S. E. J Street, Grants Pass, Ore.
Phone: Greenwood 6-6681.
ANNUAL CAPACITY:
(3/8-inch, 3-ply) 60,000,000 sq. ft. Douglas fir.
SPECIAL PRODUCTS:
2,000,000 hardwood faced panels; 300,000 sq. ft. 2.4.1 panels; 400,000 sq. ft. hardboard faced.
EQUIPMENT:
2 lathes, 2 dryers, 1 cold press, 1 hot press. Maximum press size: 4x1 ft.
PERSONNEL:
A. E. Anderson, pres.; Jackson Beaman, gen. and sls. mgr.; M. J. Oreskovic, plant mgr. and supt.
SALES AGENTS:
F. A. Lawrence, P. O. Box 325, Austin, Texas.

SPRINGFIELD PLYWOOD CORP.

410 South 14 St., Springfield, Ore.
Phone: Riverside 7-3321; Teletype 083.
ANNUAL CAPACITY:
(3/8-inch, 3-ply) 110,000,000 sq. ft. Douglas fir.
EQUIPMENT:
3 lathes, 4 dryers, 1 cold press, 3 hot presses. Maximum press size: 5x12 ft.
PERSONNEL:
Robert B. Pamplin, pres.; Carl E. Anderson, gen. mgr.; Frank Lanfitt, sls. mgr.; Earl M. Trabue, plant supt.
SALES AGENTS:
Georgia - Pacific Corp., Equitable Bldg., Portland Ore.; The Booth-Kelly Lumber Co., P. O. Box 248, Springfield, Ore.

TIMBER PRODUCTS CO.

McAndrews Road, Medford, Ore.
Phone: 2-6123.
ANNUAL CAPACITY:
(3/8-inch, 3-ply) 40,000,000 sq. ft. Douglas fir.
EQUIPMENT:
2 lathes, 2 dryers, 2 cold presses.
PERSONNEL:
T. K. Oliver, gen. mgr.; D. C. Jackson, plant mgr.; C. E. Underwood, plant supt.

UMPQUA PLYWOOD CORP.

P. O. Box 192, Roseburg, Oregon.
Phone: Orchard 2-3381.
ANNUAL CAPACITY:
(3/8-inch, 3-ply) 50,000,000 sq. ft. Douglas fir.
EQUIPMENT:
2 lathes, 2 dryers, 1 cold press. Maximum press size: 4x10 ft.
PERSONNEL:
W. H. Gonyea, pres.; G. S. McCarthy, gen. mgr.; F. S. Clarke, sls. mgr.; Joe A. Price, plant supt.
SALES AGENTS:
Clear Fir Sales Co., Springfield, Oregon.

UNITED STATES PLYWOOD CORP.

P. O. Box 672, Eugene, Oregon.
Phone: Diamond 4-2203; Teletype EG 069.
Administrative Headquarters and Main Sales office: Second & Garfield Sts., P. O. Box 672, Eugene.
Phone: Diamond 4-2203; Teletype EG 069.

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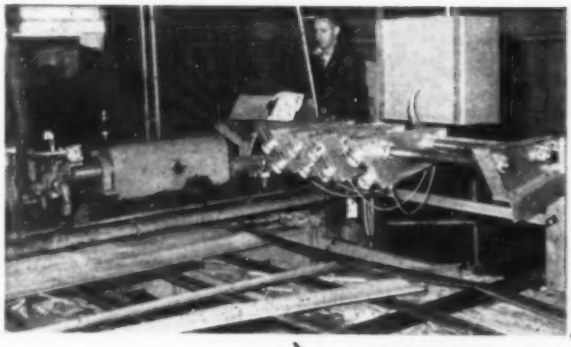

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THE TYPE 250 saves glue, saves operator's time. Assures uniform glue spread! Maintains proper glue level automatically in any make of glue spreader. Easily installed.

CONTROLS & COMMUNICATIONS CO.
1695 WEST FIRST AVENUE • EUGENE, OREGON • PHONE: DI 5-8561

Home office: 55 West 44th St., New York 17, New York.

ANNUAL CAPACITY:
(⅜-inch, 3-ply) 88,000,000 sq. ft. Douglas fir.

SPECIAL PRODUCTS:
Douglas fir plywood; Marine in any length and all exterior types; Sea Swirl, Texture One-Eleven.

EQUIPMENT:
2 lathes, 3 dryers, 3 hot presses.

PERSONNEL:
S. W. Antoville, pres., New York; Gene C. Brewer, vice-pres. of west coast operations, P. O. Box 1688, Redding, Calif.; Marshall R. Leeper, gen. mgr.; William W. Wells, exec. administrator; Willis E. Parnell, plywood and veneer production; Norem E. Ottosen, plywood sls. mgr.; Verner A. Carlson, plant mgr.

SALES AGENTS:
Offices in all major cities in U. S. and Canada. See listing of Anderson, Calif. plant.

UNITED STATES PLYWOOD CORP.

(Oregon Division)
P. O. Box 100, Mapleton, Oregon.
Phone: 3-4412; Teletype 015.
Administrative Headquarters and Main Sales office: Second & Garfield Sts., P. O. Box 672, Eugene, Oregon.
Phone: Diamond 4-2203; Teletype EG 069.
Home office: 55 West 44th St., New York 17, New York.

ANNUAL CAPACITY:
(⅜-inch, 3-ply) 50,000 sq. ft. Douglas fir.

EQUIPMENT:
2 lathes, 2 dryers, 1 hot press.

PERSONNEL:
S. W. Antoville, pres., New York; Gene C. Brewer, vice-pres. of west coast operations, P. O. Box 1688, Redding, Calif.; Marshall R. Leeper, gen. mgr.; William W. Wells, exec. administrator; Willis E. Parnell, plywood and veneer production mgr.; Norem E. Ottosen, plywood sls. mgr.; Tom Elwell, plant mgr.

SALES AGENTS:
Offices in all major cities in U. S. and Canada. See listing of Anderson, Calif. plant.

UNITED STATES PLYWOOD CORP.

(Oregon Division)
P. O. Box 628, Roseburg, Oregon.
Phone: Orchard 2-3331; Teletype RS 59.
Administrative Headquarters and Main Sales office: Second & Garfield Sts., P. O. Box 672, Eugene, Oregon.
Phone: Diamond 4-2203; Teletype EG 069.
Home office: 55 West 44th St., New York 17, New York.
UNDER CONSTRUCTION.

UNITED STATES PLYWOOD CORP.

(Oregon Division)
P. O. Box 7, Willamina, Oregon.
Phone: Trinity 6-2042; Teletype 324.
Administrative Headquarters and Main Sales office: Second & Garfield Sts., Eugene, Ore., P. O. Box 672.
Phone: Diamond 4-2203; Teletype EG 069.
Home office: 55 West 44th St., New York 17, New York.

ANNUAL CAPACITY:
(⅜-inch, 3-ply) 90,000,000 sq. ft. Douglas fir.

SPECIAL PRODUCTS:
Douglas fir plywood, unscarfed to 12′ and all exterior types.

EQUIPMENT:
2 lathes, 3 dryers, 3 hot presses.

PERSONNEL:
S. W. Antoville, pres., New York; Gene C. Brewer, vice-pres. of west coast operations, P. O. Box 1688, Redding, Calif.; Marshall R. Leeper, gen. mgr.; William W. Wells, exec. administrator; Willis E. Parnell, plywood and veneer production mgr.; Norem E. Ottosen, plywood sls. mgr.; Lawrence Ballo, plant mgr.

SALES AGENTS:
Offices in all major cities in U. S. and Canada. See listing of Anderson, Calif. plant.

VALLEY PLYWOOD CO.

Junction City, Oregon.
Phone: Wyman 8-2316.

ANNUAL CAPACITY:
(⅜-inch, 3-ply) 96,000,000 sq. ft. Douglas fir.

EQUIPMENT:
2 dryers, 1 cold press, 1 hot press. Maximum press size: 4x8 ft.

PERSONNEL:
Vance Vollmer, gen. mgr.; Nick Daviscourt, plant mgr.

SALES AGENTS:
Harold R. Jones, Inc.; John Prince, sls. mgr., Eugene, Oregon.

WESTERN STATES PLYWOOD COOPERATIVE

5 miles N. E. of Port Orford, Oregon.
P. O. Box 700, Port Orford, Oregon.
Phone: Edgewood 2-3221; Teletype 603.

ANNUAL CAPACITY:
(⅜-inch, 3-ply) 70,200,000 sq. ft.; 25,400,000 sq. ft. Douglas fir.

SPECIAL PRODUCTS:
Hardboard faced.

AMERICAN CASE HISTORY #12

American fabricated blower systems at Pope and Talbot Particle Board plant, Oakridge, Oregon.

flakes and shavings take to the air at P&T's new particle board plant

Six American Sheet Metal fabricated blower systems expedite movement of raw materials and waste at the new Pope and Talbot plant in Oakridge. The twin systems shown above, one for flakes and one for shavings, transport raw materials 600 feet from nearby planing mills to the processing machines. A third efficient American fabricated system blows dust and waste 640 feet to burner.

Pope and Talbot's new Particle Board plant is an outstanding, forward step in the Pacific Northwest's forest products industry. Choice of American Sheet Metal as fabricator of blower systems testifies to American's superiority in planning, building and installing all kinds of sheet metal jobs. For your next blower system, consult American.

AMERICAN MEANS EFFICIENCY

AMERICAN SHEET METAL WORKS, Inc.
Manufacturers of Blowers
920 NE Glisan Portland, Oregon BE 2-0111

EQUIPMENT:
2 lathes, 2 dryers, 1 cold press, 1 hot press. Maximum press size: 4x8 ft.
PERSONNEL:
Herman C. Price, pres.; C. Ralph McKay, gen. mgr.; George B. Gustafson, plant supt.
SALES AGENTS:
Aberdeen Plywood Corp., Aberdeen, Wash.

WESTERN VENEER & PLYWOOD COMPANY

Lebanon, Oregon.
Phone: Alpine 8-3138.
Teletype: 485.
Executive office: 326 Pacific Bldg., Portland 4, Oregon.
ANNUAL CAPACITY:
(3/8-inch, 3-ply) 70,000,000 sq. ft. Douglas fir.
EQUIPMENT:
2 lathes, 1 dryer, 1 cold press. Maximum size press: 4x8 ft.
PERSONNEL:
Wm. Swindells, pres.; Harry W. Graham, gen. mgr.; W. W. Affolter, sls. mgr.; Paul Boyd, plant supt.

WEYERHAEUSER TIMBER CO.

(Springfield Lumber Division)
Cottage Grove, Oregon.
Phone: Whitney 2-3332.
Home office: Tacoma Bldg., Tacoma, Wash.
ANNUAL CAPACITY:
(3/8-inch, 3-ply) 55,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe, 2 dryers, 2 hot presses. Maximum press size: 4x8 ft.
PERSONNEL:
R. A. Kronenberg, plant mgr.; R. K. Headley, sls. mgr.; T. B. Zuvich, plant supt.
SALES AGENTS:
Weyerhaeuser Sales Co., Tacoma Bldg., Tacoma, Wash.

WEYERHAEUSER TIMBER CO.

(Springfield Lumber Division)
Springfield, Oregon.
Phone: Riverside 6-2511.
Home office: Tacoma Bldg., Tacoma, Wash.
ANNUAL CAPACITY:
(3/8-inch, 3-ply) 55,000,000 sq. ft. Douglas fir.
SPECIAL PRODUCTS:
40,000,000 sq. ft. plastic or paper overlays.
EQUIPMENT:
2 lathes, 2 dryers, 1 cold press, 1 hot press. Maximum press size: 4x8 ft.
PERSONNEL:
R. A. Kronenberg, plant mgr.; R. K. Headley, sls. mgr., R. E. Miller, plant supt.
SALES AGENTS:
Weyerhaeuser Sales Co., Tacoma Bldg., Tacoma, Wash.

WHITE CITY PLYWOOD CO.

White City, Oregon.
Phone: Talbot 6-2191.
ANNUAL CAPACITY:
(3/8-inch, 3-ply) 30,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 dryer, 1 cold press. Maximum press size: 4x8 ft.
PERSONNEL:
Eldon McNamer, pres. and mgr.
SALES AGENTS:
Pacific Wood Products, Seattle, Wash.

WILLAMETTE PLYWOOD CORP.

P. O. Box 208, Aumsville, Oregon.
Phone: 304; Teletype 79.
ANNUAL CAPACITY:
(3/8-inch, 3-ply) 72,000,000 sq. ft.; 47,000,000 sq. ft. Douglas fir; 5,000,000 sq. ft. Philippine mahogany; 12,250,000 sq. ft. oak; 750,000 sq. ft. walnut.
SPECIAL PRODUCTS:
12,500,000 sq. ft. hardwood faced panels; 1,000,000 sq. ft. 2.4.1 panels; 4,500,000 sq. ft. sliced veneer panels.
EQUIPMENT:
2 lathes, 2 dryers, 2 hot presses. Maximum press size: 4x8 ft.
PERSONNEL:
Harold Leevers, pres.; R. G. Evans, gen. mgr. and sls. mgr.; M. L. Hopkins, plant mgr.; Lewis Dean, plant supt.
SALES AGENTS:
Roddis Plywood Corp., Willamette Plywood Corp.

WILLAMETTE VALLEY LUMBER CO.

Dallas, Oregon.
Phone: Mayfair 3-2351; Teletype DLS 80.
Executive office: 326 Pacific Bldg., Portland 4, Ore.
ANNUAL CAPACITY:
(3/8-inch, 3-ply) 80,000,000 sq. ft. Douglas fir.
EQUIPMENT:
3 lathes, 1 dryer, 1 cold press. Maximum press size: 4x8 ft.
PERSONNEL:
Wm. Swindells, pres.; Ralph Boone, gen. mgr.; A. F. Quinin, sls. mgr.; Paul Morgan, plant mgr.; Robert Hilliker, plant supt.

for IPC

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Manufacturers of

Western WP Ply

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PANELS

Teletype: Lebanon Ore. 485
Phone: Alpine 8-3138 Lebanon, Oregon

YAMHILL PLYWOOD CO.
P. O. Box 538, McMinnville, Oregon.
Phone: 10631.
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 30,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 dryer, 1 cold press. Maximum press size: 4x8 ft.
PERSONNEL:
R. H. Windishar, pres.; V. K. Wright, gen. mgr.; O. H. Stewart, plant supt.

WASHINGTON

ABERDEEN PLYWOOD CORP.
Aberdeen, Washington.
Phone 4080.
PERSONNEL:
James F. Hodges, pres.; V. A. Nyman, gen. mgr., sls. mgr., plant supt.
NOT OPERATING.

ANACORTES VENEER, INC.
35th and V Ave., Anacortes, Wash.
Phone: CYpress 4-2611.
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 72,000,000 sq. ft. Douglas fir.
SPECIAL PRODUCTS:
12,000,000 sq. ft. plastic and paper overlays; 12,000,000 sq. ft. Texture One-Eleven; 6,000,000 sq. ft. scarfed panels; 1,000,000 sq. ft. 2.4.1 panels; 6,000,000 sq. ft. hardboard faced.
EQUIPMENT:
2 lathes, 3 dryers, 1 cold press, 2 hot presses. Maximum press size: 5x10 ft.
PERSONNEL:
Earl V. Cheldelin, pres.; Thomas L. Bentley, sls. and gen. mgr.; Eldon H. Shelley, plant mgr.; Walter R. Huttula, plant supt.
SALES AGENTS:
Arthur E. Schade, Anacortes Veneer, Inc., 13375 Watertown Plank Road, Elm Grove, Wis.; Frank Z. Edwards, Anacortes Veneer, Inc., No. 11 North Essex Street, Dover, New Jersey.

BUFFELEN WOODWORKING CO.
P. O. Box 1383
Tacoma, Wash.
Phone: Market 7-1191
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 36,000,000 sq. ft. 10,400,000 sq. ft. Douglas fir; 1,400,000 sq. ft. Philippine mahogany; 200,000 sq. ft. white pine; 160,000 sq. ft. oak.
SPECIAL PRODUCTS:
2,800,000 sq. ft. hardwood faced panels; 1,300,000 sq. ft. sliced veneer panels.
EQUIPMENT:
2 lathes; 1 slicer; 3 dryers; 2 hot presses; maximum press size: 4x10.
PERSONNEL:
J. P. Flannigan, pres.; J. P. Simpson, gen. mgr.; D. C. Salley, plant mgr.
SALES AGENTS:
Buffelen Sales Co.

CENTRALIA PLYWOOD, INC.
P. O. Box 449
Centralia, Wash.
Phone: Pershing 6-7631
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 43,000,000 sq. ft. Douglas fir; 5,000,000 sq. ft. hemlock and spruce.
SPECIAL PRODUCTS:
150,000 sq. ft. 2.4.1 panels.
EQUIPMENT:
1 lathe; 1 dryer; 1 cold press; 1 hot press; maximum press size, 4x8 ft.
PERSONNEL:
Elvin Blair, pres.; Geo. N. Raknes, sls. & gen. mgr.; Eldon Pilker, plant supt.
SALES AGENTS:
Triangle Mill Sales, Inc., P. O. Box 261, Michigan City, Indiana. TWX Mich. CY 8745.

COLUMBIA VENEER CO.
Kalama, Wash.
Home office: P. O. Box 1874
Seattle, Wash.
Phone: Senaca 7184

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- Fir Sheathing
- 2-4-1 Subfloor
- Rotary Mahogany
- Birch

Manufacturers

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- Fir Veneer
- TKV—Paper Faced Veneer
- Sheetboard—Paper Faced Lumber Sheathing
- Mouldings

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PRospect 6-4200 Teletype SF 211

WPA

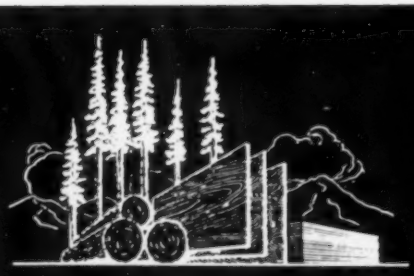
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 59,000,000 sq. ft. Douglas fir; 1,000,000 sq. ft. white pine.
SPECIAL PRODUCTS:
5,000,000 sq. ft. hardwood faced panels; 500,000 sq. ft. striated panels; 300,000 sq. ft. Texture One-Eleven; 200,000 sq. ft. hardboard faced.
EQUIPMENT:
2 lathes, 2 dryers, 1 cold press, 1 hot press; maximum press size 4x8 ft.
PERSONNEL:
F. L. Johnson, pres. & gen. mgr.; Don Johnson, sls. mgr.; Art Bergman, plant mgr. & supt.
SALES AGENTS:
Columbia Plywood Co., 560 Skinner Bldg., Seattle, Wash.

ELLIOTT BAY MILL CO.
600 W. Spokane St.
Seattle 4, Wash.
Phone: EL 8080
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 72,000,000 sq. ft. Douglas fir, Philippine mahogany, white pine, birch, oak and walnut.
SPECIAL PRODUCTS:
Hardwood faced panels; scarfed panels; hardboard faced; sliced veneer panels.
EQUIPMENT:
3 lathes, 1 slicer; 3 dryers; 1 cold press; 2 hot presses. Maximum press size: 5x10.
PERSONNEL:
R. A. Neumann, pres.; L. R. Allan, sls. mgr.; W. J. Miller, plant supt.

ELMA PLYWOOD CORP.
Elma, Wash.
Phone: Elma 2521
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 24,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe, 2 dryers, 1 cold press. Maximum press size: 5x5 ft.
PERSONNEL:
L. O. Thompson, pres.; J. R. Ladley, sls. & gen. mgr.; H. J. Hoffman, plant supt.

EVERETT PLYWOOD & DOOR CORPORATION
P. O. Box 909
Everett, Washington
Phone: Bayview 4137
ANNUAL CAPACITY:
(⅜-inch, 3-ply basis) 50,000,000 sq. ft. Douglas fir and Hemlock; 34,000,000 sq. ft. hardwoods, white pine and cedar.
SPECIAL PRODUCTS:
Brushed fir and hemlock, Texture One-Eleven; rotary and ribbon Philippine, unselect and select white and red birch; northern white maple; eastern oak, vertical grain fir; Idaho knotty pine; western knotty cedar.
EQUIPMENT:
2 lathes, 1 slicer; 4 dryers; 3 hot presses.
PERSONNEL:
Brice Taylor, pres.; Keith Gunderson, gen. mgr.; William Bean, sls.; Orville Douglas, plant supt.; Larry Forsling, office mgr.
SALES AGENTS:
Robinson Plywood, Everett, Wash. Phone: Bayview 2141.

FORT VANCOUVER PLYWOOD CO.
Ft. 11th St., P. O. Box 289
Vancouver, Wash.
Phone: OX 4-3368
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 100,000,000 sq. ft. —80,000,000 sq. ft. Douglas fir; 3,000,000 sq. ft. spruce.



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WHITE ASH • BROWN ASH
MAPLE • MYRTLEWOOD
RIFT GRAIN INLAND FIR
IDAHO WHITE KNOTTY PINE
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PLYWOOD COMPANY

Mill Sales Agents
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SEATTLE 1, WASHINGTON
Phone: MAIN 4048 TWX: SE 454
Also: BUFFALO, N. Y. OFFICE
1660 KENMORE AVENUE (23)
PHONE: VICTORIA 2060

NATIONAL PLYWOOD DISTRIBUTORS ASSN. INC. WOOD BEST

CARLOAD SALES ONLY TO RECOGNIZED WHOLESALE DISTRIBUTORS AND JOBBERS

PRICE LIST ON REQUEST

SPECIAL PRODUCTS:
Texture One-Eleven; scarfed panels; 2.4.1. panels; cut up items; boat hulls — scarfed, tongue & groove; shiplap.
EQUIPMENT:
2 lathes, 4 dryers, 1 cold press, 2 hot presses. Maximum press size: 5x10 ft.
PERSONNEL:
Irvin L. Hopfe, pres.; Henry A. Dotter, Jr., gen. & sls. mgr.; Elmer Brown, plant supt.

GEORGIA-PACIFIC CORPORATION

Bellingham, Wash.
Phone: 4900; Teletype BX 82.
Home office: 600 N. Capitol Way
Olympia, Wash.
ANNUAL CAPACITY:
(3/8-inch, 3-ply) 60,000,000 sq. ft. Douglas fir.
EQUIPMENT:
2 lathes, 2 dryers, 2 hot presses. Maximum press size: 5x10 ft.
PERSONNEL:
R. B. Pamplin, pres.; Victor Olson, vice-pres. & gen. mgr.; W. H. Hunt, vice-pres. & sls. mgr.; Harold Hustead, plant supt.; Arthur Olson, plant mgr.; Frank V. Langfitt, Jr., sls. mgr.

GEORGIA-PACIFIC CORPORATION

600 N. Capitol Way
Olympia, Wash.
Phone: Fleetwood 2-4801; Teletype OL 36.
ANNUAL CAPACITY:
(3/8-inch, 3-ply) 125,000,000 sq. ft. Douglas fir.
SPECIAL PRODUCTS:
10,000,000 sq. ft. plastic, paper overlays; 12,000,000 sq. ft. hardwood faced panels; 12,000,000 sq. ft. brushed panels; 12,000,000 sq. ft. striated panels; 12,000,000 sq. ft. scarfed panels; 12,000,000 sq. ft. sliced veneer panels.
EQUIPMENT:
2 lathes, 1 slicer, 6 dryers, 1 cold press; 4 hot presses. Maximum size press: 5x10 ft.
PERSONNEL:
R. B. Pamblin, pres.; Victor Olson, vice-pres. & gen. mgr.; W. H. Hunt, vice-pres. & sls. mgr.; Torrey Isaacson, plant mgr.; C. S. Leonardson, asst. gen. mgr.; Frank V. Langfitt, Jr., sls. mgr.

HARBOR PLYWOOD CORP.

Aberdeen, Wash.
Phone: Aberdeen 4020; Teletype 90
ANNUAL CAPACITY:
(3/8-inch, 3-ply) 100,000,000 sq. ft. Douglas fir.
EQUIPMENT:
2 lathes, 3 dryers, 4 hot presses. Maximum press size: 5x12 ft.
PERSONNEL:
M. N. Deggeller, pres. & gen. mgr.; H. W. Van Natta, dir. of sls.; H. B. Iben, plant supt.; Wayne Hagen, plant mgr.
SALES AGENTS:
Harbord Mercantile, Port Dock, Aberdeen, Wash.; Harbor Plywood Corp., 1161 Ridge Ave., S. W., Atlanta, Ga.; 79 West Lake St., Chicago, Ill.; 511 Baymiller Street, Cincinnati, O.; 8600 Sovereign Row, Dallas, Tex.; 303 St. Emanuel St., Houston, Tex.; 1001 East New York St., Indianapolis, Ind.; 2355 Dennis St., Jacksonville, Fla.; 235 South Alameda St., Los Angeles, Calif.; 3095 Third St., San Francisco, Calif.; North 34th Street and Fremont, Seattle, Wash.; 802 North Rome Ave., Tampa, Fla.

HARDEL MUTUAL PLYWOOD CORP.

1210 West Bay Drive, P. O. Box 365, Olympia, Wash.
Phone: FL 2-7563
ANNUAL CAPACITY:
(3/8-inch, 3-ply) 39,000,000 sq. ft. Douglas fir and hemlock.
EQUIPMENT:
1 lathe, 2 dryers, 1 cold press, 1 hot press
PERSONNEL:
Otto Cronquist, pres.; P. J. Watson, sls. mgr.; Leonard Baxter, plant supt.
SALES AGENTS:
Pacific Mutual Door Co., P. O. Box 1589, Tacoma, Wash.

HOQUIAM PLYWOOD CO., INC.

P. O. Box 737 (Woodlawn Addition)
Hoquiam, Wash.
Phone: 930
ANNUAL CAPACITY:
(3/8-inch, 3-ply) 30,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe, 1 dryer, 1 hot press. Maximum press size: 4 ft. 4 in. x 5 ft. 10 in.
PERSONNEL:
Herbert Fovargue, pres.; Fred Hamann, gen. mgr.; Floyd Brown, plant supt.

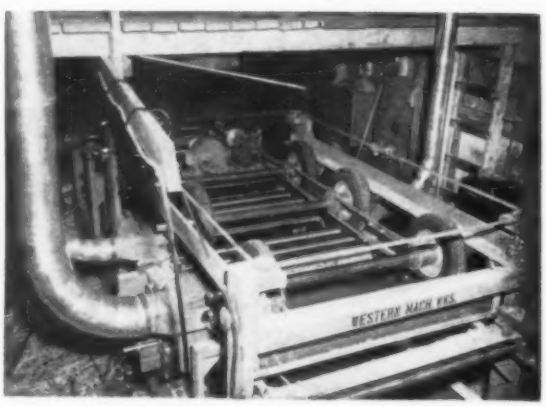
INTERNATIONAL PAPER CO.

(Long-Bell Division)
P. O. Box 1079
Longview, Wash.
Phone: HA 3-2110; Teletype 375
ANNUAL CAPACITY:
(3/8-inch, 3-ply) 50,000,000 sq. ft. 46,000,000 sq. ft., Douglas fir; 300,-

NEW PLYWOOD SKINNER MACHINE

NO SAWS

This machine uses Carbide Tipped Side Heads especially designed for Plastic Faced and Hardwood Plywood Ideal for FIR



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000 sq. ft. Philippine mahogany; 700,000 sq. ft. birch.

SPECIAL PRODUCTS:
100,000 sq. ft. plastic or paper overlays; 1,000,000 sq. ft. hardwood faced panels; 2,000,000 sq. ft. Texture One-Eleven; 200,000 sq. ft. hardboard faced; 200,000 sq. ft. cut up items.

EQUIPMENT:
2 lathes, 3 dryers; 1 cold press; 1 hot press; maximum press size 5x10 ft.

PERSONNEL:
J. D. Leland, vice-pres.; E. H. Houston, gen. sls. mgr.; H. G. Kelsey, gen. mgr. of western operations; T. A. Deal, br. mgr.; F. L. Foval, asst. to sls. mgr.; F. N. McCullah, plywood sls.; C. N. Babb, plant supt.

SALES AGENTS:
International Paper Company, Long-Bell Division, sales offices in all major cities.

LACEY PLYWOOD CO., INC.

Lacey, Wash.
Phone: Olympia, FL 7-9357
Teletype: OL 52

ANNUAL CAPACITY:
(3/8-inch, 3-ply) 35,000,000 sq. ft. Douglas fir.

EQUIPMENT:
1 dryer, 1 cold press.

PERSONNEL:
M. E. Petty, pres.; G. F. Hannaford, gen. mgr. & sls. mgr.; M. J. Lewis, plant supt.

SALES AGENTS:
Monarch Door & Plywood Sales Co.; Lacey Plywood Sales.

LYLE, DONALD W., INC.

951 Canal St.
Tacoma 2, Wash.

ANNUAL CAPACITY:
(3/8-inch, 3-ply) 36,000,000 sq. ft. Douglas fir and hemlock.

EQUIPMENT:
2 lathes, 1 dryer, 1 cold press.

PERSONNEL:
Donald W. Lyle, pres.

MT. BAKER PLYWOOD, INC.

2929 Roeder Ave.
Bellingham, Wash.
Phone: 6700; Teletype BX 93.

ANNUAL CAPACITY:
(3/8-inch, 3-ply) 1,000,000 sq. ft. Douglas fir; 29,000,000 sq. ft. cottonwood; 18,000,000 sq. ft. hemlock.

SPECIAL PRODUCTS:
20,000,000 sq. ft. hardwood faced panels; 1,000,000 sq. ft. brushed panels; 25,000,000 sq. ft. western poplar; 2,000,000 sq. ft. scarfed panels.

EQUIPMENT:
2 lathes; 2 slicers; 2 dryers; 2 hot presses. Maximum press size: 4x8 ft.

PERSONNEL:
Clarence A. Axelson, pres.; Monford A. Orloff, gen. & sls. mgr.; Charles Q. Jackson, plant supt.

NATIONAL PLYWOOD CO. OF WASH., INC.

(Not operating)

NORTH PACIFIC PLYWOOD, INC.

1549 Dock St.
Tacoma 2, Wash.
Phone: BR 2-1197

ANNUAL CAPACITY:
(3/8-inch, 3-ply) 50,000,000 sq. ft. Douglas fir.

SPECIAL PRODUCTS:
400,000 sq. ft. hardwood faced panels; 250,000 sq. ft. brushed panels; 50,000 sq. ft. Texture One-Eleven; 200,000 sq. ft. Lauan; 50,000 sq. ft. 2.4.1. panels; 50,000 sq. ft. hardboard faced.

EQUIPMENT:
1 lathe; 3 dryers; 1 cold press; 1 hot press.

PERSONNEL:
Vincent LeVeille, pres.; George Jaynes, gen. sls., plant mgr. & plant supt.

SALES AGENTS:
Vancouver Plywood Co., Vancouver, Wash.

NORTHWEST DOOR CO.

1203 East D St., P. O. Box 1477
Tacoma, Wash.
Phone: Fulton 3-34321

ANNUAL CAPACITY:
(3/8-inch, 3-ply) 51,000,000 sq. ft. Douglas fir; 2,000,000 sq. ft. Philippine mahogany; 10,000,000 sq. ft. birch; 3,000,000 sq. ft. oak.

SPECIAL PRODUCTS:
15,000,000 sq. ft. hardwood faced panels; 10,000,000 sq. ft. Texture One-Eleven; 5,000,000 sq. ft. 2.4.1. panels.

EQUIPMENT:
2 lathes; 3 dryers; 1 cold press; 1 hot press; maximum press size 5x10 ft.

PERSONNEL:
H. E. Tenzler, pres.; R. G. Walters, exec. vice-pres. & gen. mgr.; R. W. Bright, sls. mgr.; Wm. Bennett, plant supt.

SALES AGENTS:
Northwest Door & Plywood Sales Co., Tacoma, Wash.

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SANDED "B" GRADE PANELS

CORVALLIS PLYWOOD

Phone: PLaza 3-4463 P.O. Box 411 TWX 562

CORVALLIS, OREGON

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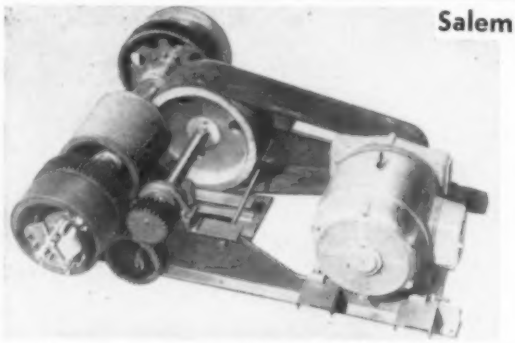

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Earl R. Hitchman, Pres

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PENINSULA PLYWOOD CORP.

439 Marine Drive, P. O. Box 311
Port Angeles, Wash.

Phone: Glencourt 7-4421; Teletype: PN-83

ANNUAL CAPACITY:
(⅜-inch, 3-ply) 75,000,000 sq. ft. Douglas fir; 7,000,000 sq. ft. hemlock; 5,000,000 sq. ft. spruce.

EQUIPMENT:
2 lathes, 3 dryers, 3 hot presses.

PERSONNEL:
Clarence E. Flatau, pres.; Enar A. Erickson, gen. mgr.; Herrick Fox, sls. mgr.; Clifford Kirk, supt.; C. J. Hopkins, timber dept. mgr.

SALES AGENTS:
U. S. Plywood Corp.

PUGET SOUND PLYWOOD, INC.

203 East F St., Tacoma, Wash.
Phone: Market 7-4111

ANNUAL CAPACITY:
(⅜-inch, 3-ply) 72,000,000 sq. ft. 42,000,000 sq. ft. Douglas fir; 35,000 sq. ft. Philippine mahogany.

SPECIAL PRODUCTS:
6,000,000 sq. ft. hardwood faced panels; 1,000,000 sq. ft. brushed panels; 2,000,000 sq. ft. Texture One-Eleven; 100,000 sq. ft. 2.4.1. panels.

EQUIPMENT:
2 lathes, 3 dryers; 1 cold press; 2 hot presses. Maximum press size 5x10 ft.

PERSONNEL:
Alfred Anderson, pres.; John H. Martinson, gen. mgr.; Ray A. Johnson, sls. mgr.; A. L. Shepro, plant mgr.

SALES AGENTS:
Russell B. Wiscomb, 2700 Simpson, Evanston, Ill.; E. B. Meyercord, 80 St. Michael, Mobile, Ala.; Bowen-Duvall, Empire State Bldg., New York City, N. Y.

ST. PAUL & TACOMA LUMBER CO.

(Plywood Division)
Olympia, Wash.
Home office: 1220 St. Paul Ave., Tacoma, Wash.
Phone: FL 2-0501

ANNUAL CAPACITY:
(⅜-inch, 3-ply) 90,000,000 sq. ft. Douglas fir, white pine, hemlock.

SPECIAL PRODUCTS:
10,000,000 sq. ft. plastic or paper overlays; 1,000,000 sq. ft. hard-

WILLAMETTE PLYWOOD CORPORATION

WILL-PLY BRAND

Specialized manufacture of fine hardwood plywoods:

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Maple Walnut Ash

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AUMSVILLE, OREGON

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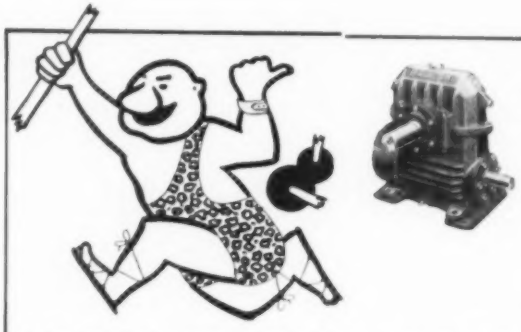

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999 Boecher Street, San Leandro, California
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wood faced panels; 2,000,000 sq. ft. brushed panels; 1,000,000 sq. ft. Texture One-Eleven; 3,000,000 sq. ft. scarfed panels; 1,000,000 sq. ft. 2.4.1. panels.

EQUIPMENT:
3 lathes; 4 dryers; 4 hot presses. Maximum press size: 4x8 ft.

PERSONNEL:
E. G. Griggs II, pres.; Arnold Koutonen, plant mgr.; W. R. Garnett, sls. mgr.; Fred Peterson, plant supt.

SALES AGENTS:
(Through home office)

SIMPSON LOGGING CO.

McCleary, Wash.
Phone: 2300

ANNUAL CAPACITY:
(⅜-inch, 3-ply) 65,250,000 sq. ft. Douglas fir; 250,000 sq. ft. Philippine mahogany; 3,000,000 sq. ft. birch; 250,000 sq. ft. oak.

SPECIAL PRODUCTS:
Hardwood faced panels; Texture One-Eleven; scarfed panels; 2.4.1. panels; hardboard faced; sliced veneer panels.

EQUIPMENT:
2 lathes, 3 dryers, 1 cold press; 2 hot presses; maximum press size, 4x10 ft.

PERSONNEL:
C. H. Bacon, Jr., vice-pres.; H. W. McClary, gen. mgr.; Harold Johns, sls. mgr.; Harold A. Ahlskog, plant mgr.; Henry Hillman, plant supt.

SIMPSON LOGGING CO.

(Olympic Plant)
Shelton, Wash.
Phone: HA 6-3381

ANNUAL CAPACITY:
(⅜-inch, 3-ply) 27,500,000 sq. ft. Douglas fir.

SPECIAL PRODUCTS:
High or medium density plastic or paper overlays; 2.4.1. panels.

EQUIPMENT:
1 lathe, 1 dryer, 1 hot press. Maximum press size: 4x8 ft.

PERSONNEL:
C. H. Bacon, Jr., vice-pres.; H. W. McClary, mgr.; Harold Johns, sls. mgr.; D. J. Carstairs, Jr., plant mgr. John Rebman, plant supt.

STEVENSON CO-PLY, INC.

Stevenson, Wash.
Phone: 3512

ANNUAL CAPACITY:
(⅜-inch, 3-ply) 41,580,000 sq. ft. Douglas fir; 420,000 sq. ft. hemlock.

EQUIPMENT:
1 lathe, 1 dryer, 1 cold press. Maximum press size: 4 ft. 6 in. x 9 in.

PERSONNEL:
Lestern Johnston, pres.; J. H. Waters, gen. mgr.; W. G. Urbanek, plant supt.

THREE RIVERS PLYWOOD & TIMBER CO.

Darrington, Wash.
Phone: Hemlock 6-2421

ANNUAL CAPACITY:
(⅜-inch, 3-ply) 20,000,000 sq. ft. Douglas fir; 23,000,000 sq. ft. silver fir.

EQUIPMENT:
2 lathes, 1 dryer, 1 hot press. Maximum press size: 4x8 ft.

PERSONNEL:
Bob Jones, pres.; Dwight Wood, gen. & sls. mgr.; George Morris, plant supt.

TOTEM PLYWOOD, INC.

1536 East J
Tacoma, Wash.
Phone: FU 3-5321

ANNUAL CAPACITY:
(⅜-inch, 3-ply) 36,000,000 sq. ft.; 10,000,000 sq. ft. Douglas fir; 15,000,000 sq. ft. hemlock; 5,000,000 sq. ft. other species.

SPECIAL PRODUCTS:
30,000 sq. ft. hardwood faced panels; 50,000 sq. ft. 2.4.1. panels; high density & medium density overlay.

EQUIPMENT:
1 dryer; 2 hot presses. Maximum press size: 4x8 ft.

PERSONNEL:
W. R. Wentland, pres.; Vince Flanigan, plant supt.; H. J. Bergman, gen. mgr.

SALES AGENTS:
Standard Plywood Sales Co., 2142 East D St., Tacoma 2, Wash.

UNITED STATES PLYWOOD CORP.

Box 5125, Ballard Station
Seattle, Washington
Phone: AL 8800; Teletype: SE 409
Home office: 55 West 44th Street, New York 17, N. Y.

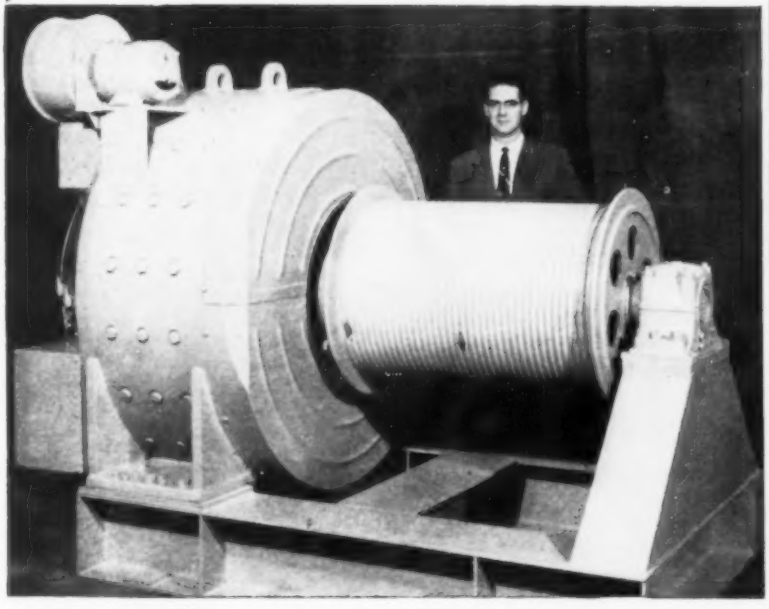
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 80,000,000 sq. ft. 10,000,000 sq. ft. Douglas fir; 24,000,000 sq. ft. Philippine mahogany; 18,000,000 sq. ft. birch; 6,000,000 sq. ft. knotty pine.

SPECIAL PRODUCTS:
12,000,000 sq. ft. plastic or paper overlays; 54,000,000 sq. ft. hardwood faced panels; 5,000,000 sq. ft. striated panels; 3,000,000 sq. ft. scarfed panels.

EQUIPMENT:
2 lathes; 2 slicers; 5 dryers; 4 hot presses; maximum press size: 5x10 ft.

NEW

Gearless Carriage Drive



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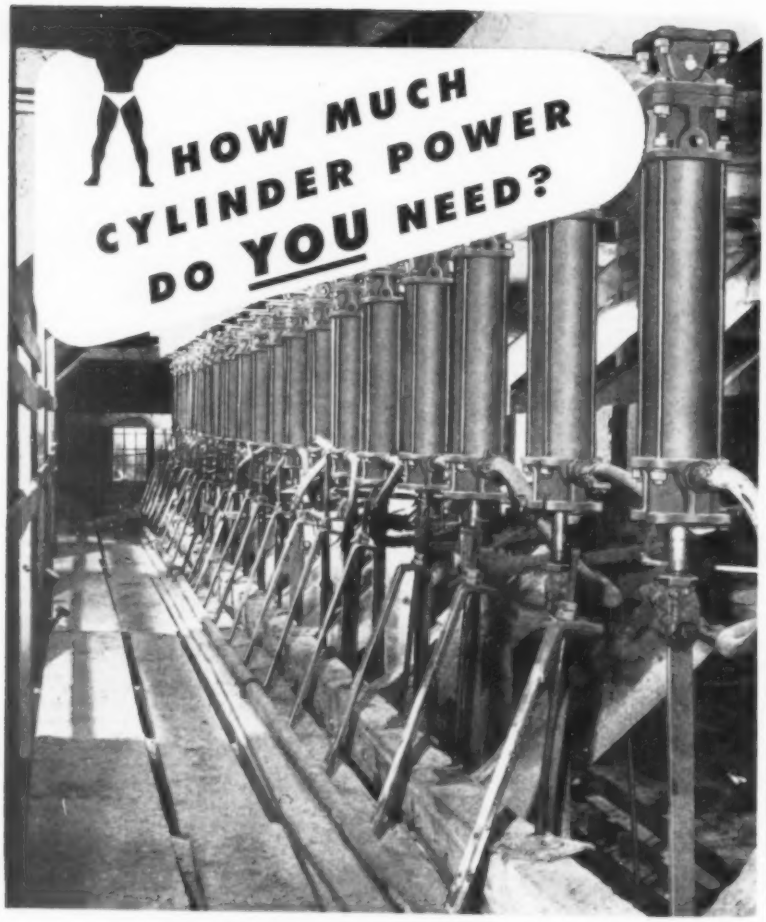
3201 FIRST AVE. SO. SEATTLE 4, WASH. ELIOT 6561



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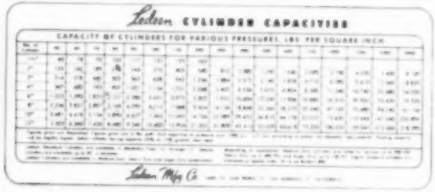
Ledeen CYLINDERS on gang trimmer

This battery of 4" Ledeen Cylinders has been giving dependable, trouble-free service on this gang trimmer for over 4 years. Low maintenance and long life are reasons why Ledeen Cylinders find wide acceptance and countless applications in the timber industry.

Standard cylinders available from stock in 1½" through 12" bores... Special cylinders up to 20". These cylinders offer a wide range of capacities to meet your power requirements.

'HOW MUCH CYLINDER POWER DO YOU NEED?



Send for this cylinder capacity chart. It will help you determine the size Ledeen Cylinder you need to meet your power requirements.

Write for Bulletin 500

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AIR-HYDRAULIC PUMPS
AND BOOSTERS

Ledeen Mfg. Co.
3336 North Gilman Road
El Monte, California

PERSONNEL:
S. W. Antoville, pres. (New York); Gene C. Brewer, vice president of west coast operations (P. O. Box 1688, Redding, Calif.). O. Harry Schrader, Jr., gen. mgr.; John W. Rankin, sls. mgr.; Merle Miller, plant supt.
SALES AGENTS:
Offices in all major cities in U. S. and Canada. See listing of Anderson, Calif. plant.

WASHINGTON PLYWOOD CO., INC.

Box 746, Everett, Wash.
Phone: Cedar 5131
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 20,000,000 sq. ft. Douglas fir, 10,000,000 sq. ft. cottonwood and maple; 10,000,000 sq. ft. hemlock and spruce.
SPECIAL PRODUCTS:
5,000,000 sq. ft. plastic or paper overlays; 10,000,000 sq. ft. hardwood faced panels; 5,000,000 sq. ft. cut up items; 30,000,000 sq. ft. hardwood veneer; siding.
EQUIPMENT:
2 lathes; 3 dryers; 2 hot presses. Maximum press size: 5x10 ft.
PERSONNEL:
T. F. Goodson, pres.; A. L. Lung, gen. mgr.; R. N. Stormo, sls. mgr.; Earl Shinn, asst. mgr.; Basil Funk, plant supt.
SALES AGENTS:
Walton Plywood, Box 1120, Everett, Wash.

WEST COAST PLYWOOD CO.

Box 1180, Aberdeen, Wash.
Phone: Hoq. 1840.
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 75,000,000 Douglas fir.
SPECIAL PRODUCTS:
5,000,000 sq. ft. plastic or paper overlays.
EQUIPMENT:
3 lathes, 3 dryers, 4 hot presses. Maximum press size 6x12 ft.
PERSONNEL:
A. R. Wuest, pres. & gen. mgr.; Don Stubberfield, plant supt.; A. R. Welch, plant mgr.
SALES AGENTS:
Thos. P. Bonner, Box 15, Lake St. Station, Minneapolis 8, Minn.; Frank B. Cole, 3219 Bryn Mawr Drive, Dallas 5, Tex.; R. W. Dalton, 475 Hungtington Dr., San Marino 9, Calif.; Chas. L. Goodall, Box 1570, Memphis, Tenn.; J. H. Leik, 3049 23rd Ave. W., Seattle, Wash.; Harold Nelson, 414 Ozark Bldg.; 928 Main St., Kansas City 6, Mo.; W. H. Pangborn, 891 Medrod Road, Cleveland Heights, O.; James Skelly, 149 Broadway, New York 6, New York; West Coast Plywood Co., 111 W. Washington St., Rm. 1604, Chicago 2, Illinois.

WEYERHAEUSER TIMBER CO.

(Longview Lumber Division).
Longview, Wash.
Phone: Hamilton 5-2150.
Home Office:: Tacoma Building, Tacoma, Wash.
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 75,000,000 sq. ft. Douglas fir.
SPECIAL PRODUCTS:
Scarfed Panels.
EQUIPMENT:
2 lathes, 2 dryers, 1 cold press, 2 hot presses. Maximum press size, 5x10 ft.
PERSONNEL:
Wyerhaeuser Sales Co., Tacoma Bldg., Tacoma, Wash.

SALES AGENTS:
W. H. Robertson, plant mgr.; O. F. Weed, sls. mgr.; L. H. Coplen, plant supt.

SPECIALTY PLANTS

HY-GRADE HARDWOOD VENEERS, INC.

P. O. Box 204, Olympia, Wash.
Phone: FL 7-3246.
SPECIAL PRODUCTS:
Custom splicing of veneers, birch, oak, knotty pine, etc. Stock of birch, knotting pine, oak veneers on hand for immediate deliveries.
EQUIPMENT:
2 jointers; 2 splicers, 2 clippers.
PERSONNEL:
Elmer Johnson, Pres.

IDAHO VENEER CO.

Post Falls, Ida.
Phone: Murray 2-3981
ANNUAL CAPACITY:
(1/16-inch basis) 30,000,000 sq. ft. sliced knotty Idaho white pine, clear Idaho white pine, and knotty Idaho red cedar veneer.
SPECIAL PRODUCTS:
Sliced veneer in random widths, by 100 inch lengths and shorter; edge-glued faces in stock and custom sizes.
EQUIPMENT:
1 slicer, 1 dryer, 2 splicers.
PERSONNEL:
John F. Gregor, pres. & sls. mgr.; Leonard A. Malloy, mgr.; Robert W. Malloy, plant supt.

LANE LAMINATORS, INC.

2350 Prairie Road, P. O. Box 3126, Eugene, Ore.
Phone: Diamond 4-5269
ANNUAL CAPACITY:
($\frac{3}{8}$-inch 3-ply) 12,000,000 sq. ft. Douglas fir.
SPECIAL PRODUCTS:
Paper overlay veneers and sheathing.
EQUIPMENT:
1 dryer; 1 cold press.
PERSONNEL:
C. R. Nystrom, pres. and mgr.; Basil Johnson, vice-pres.; Jack Hanson, sec.-treas. & plant mgr.
SALES AGENTS:
Harold R. Jones, Inc., 1200 High St., Eugene, Ore.

RAINIER PLYWOOD CO.

624 East 15th, Tacoma, Wash.
Phone: Fulton 3-5533
Home office: 2142 East D St., Tacoma, Wash.
SPECIAL PRODUCTS:
Plastic overlay for plywood. "Richlite" plastic overlays.
EQUIPMENT:
1 3-inch impregnator; 1 4-inch impregnator.
PERSONNEL:
George F. Baum, pres.; Gerald Krueger, plant supt.
SALES AGENTS:
Standard Plywood Sales Co., 2142 East D St., Tacoma, Wash.

SPLICED VENEERS, INC.

North Washington & C St., Olympia, Wash.
Phone: Fleetwood 2-9821
Home office: P. O. Box 1110, Olympia, Wash.
SPECIAL PRODUCTS:
Splicing specialty and Hardwood veneers to order.
EQUIPMENT:
1 jointer; 1 splicer; 1 clipper.
PERSONNEL:
Paul E. Smith, gen. mgr.

STRUCTURAL LAMINATES, INC.

Beaverton, Ore.
Phone: Mitchell 4-2165
SPECIAL PRODUCTS:
4x4 (C-D) sheathing. Lumber core plywood panels for floors and roofs; custom cutting.
EQUIPMENT:
Tunnel dryer; cold press 5x10; special manufacturing equipment.
PERSONNEL:
C. D. Johnson, Jr., pres. & gen. mgr.; Charles R. Wilson, sls. mgr.

SUPERIOR SPLICED VENEERS, INC.

13345 S. E. Ambler Road
Milwaukie 22, Ore.
Phone: Olive 4-8641
SPECIAL PRODUCTS:
Custom splicing all species of foreign and domestic architectural veneers.
EQUIPMENT:
2 splicers; 1 jointer; 1 clipper; 2 sizing and cutoff saws.
PERSONNEL:
Adolph W. Gauthier, pres.
SALES AGENTS:
Superior Spliced Veneers, Inc., 13345 S. E. Ambler Road, Milwaukie 22, Ore.

WELSH PLYWOOD CORPORATION

1218 No. Hollywood, Memphis, Tenn.
Phone: FA 38521; Teletype ME 499
SPECIAL PRODUCTS:
"PLYWELSH" Prefinished hardwood. Plywood paneling.
EQUIPMENT:
Custom built production line; finishing machines; ovens; grooving equipment; sanding equipment.
PERSONNEL:
James R. Welsh, pres.; Carroll M. Cooper, exec. vice-pres.; Thomas J. Welsh, sls. mgr.; Robert C. Brown, plant mgr.

THE PACIFIC COAST COMPANY
Plywood Division

•

All Grades Interior and Exterior

DOUGLAS FIR PLYWOOD

PRODUCERS OF

DFPA TESTED QUALITY

FIR PLYWOOD

Member

Douglas Fir Plywood Association

•

Veneer Plant
Leggett, Calif.

Plywood Plant
P. O. Box 8, Sonoma, Calif.

WILLARD V. YOUNG COMPANY
Tacoma & Hubbard, P. O. Box 115, Sumner, Wash.
Phone: University 3-4533; Teletype 149
SPECIAL PRODUCTS:
Fabrication of Fir Plywood, Hardboard, Chipboard, etc., to custom sizes.
PERSONNEL:
Michel Pasquier, pres.; Charles L. Pasquier, gen. mgr.

CEDAR PLYWOOD

See main plywood listing for complete information.

EVERETT PLYWOOD & DOOR CORP.
P. O. Box 909, Everett, Wash.
POTLATCH FORESTS, INC.
Lewiston, Ida.

HARDWOOD PLYWOOD

See main plywood listing for complete information.

BATE LUMBER CO.
Merlin, Ore.
BUFFELEN WOODWORKING CO.
P. O. Box 1383, Tacoma, Wash.
DIAMOND LUMBER CO.
Tillamook, Ore.
ELLIOTT BAY MILL CO.
600 W. Spokane, St.,
Seattle 4, Wash.
EVERETT PLYWOOD & DOOR CORP.
P. O. Box 909, Everett, Wash.
GEORGIA-PACIFIC CORPORATION
Olympia, Wash.
INTERNATIONAL PAPER CO.
Long-Bell division
Gardiner, Ore.
INTERNATIONAL PAPER CO.
Long-Bell division
Longview, Wash.
KLAMATH HARDWOOD CO., INC.
P. O. Box 431, Klamath Falls, Ore.
MONAGHAN PLYWOOD CO.
Hwy. 99 North, Eugene, Ore.
MT. BAKER PLYWOOD, INC.
2929 Roeder Ave., Bellingham, Wash.
MULTNOMAH PLYWOOD CORP.
Portland, Ore.
NORTH PACIFIC PLYWOOD, INC.
Tacoma, Wash.
NORTHWEST DOOR CO.
1203 East D St., P. O. Box 1477, Tacoma, Wash.
PLYWOOD MANUFACTURERS OF CALIF., INC.
2201 Dominquez St., Torrance, Calif.
POLSON PLYWOOD CO.
Polson, Mont.
PUGET SOUND PLYWOOD, INC.
203 East F St., Tacoma, Wash.
RODDISCRAFT, INC.
P. O. Box 248, Arcata, Calif.
ROSEBURG LUMBER CO.
Plant No. 1, Dillard, Ore.
SIMPSON LOGGING CO.
McCleary, Wash.
SIMPSON LOGGING CO.
2301 N. Columbia Blvd.,
Portland, Ore.
SOOKE LAKE LUMBER, LTD.
Ft. of Helliwell Rd., View Royal,
P. O. Box 1206, Victoria, B. C.
SOUTHERN OREGON PLYWOODS, INC.
605 S. E. J Street, Grants Pass, Ore.
TOTEM PLYWOOD, INC.
1536 East J, Tacoma, Wash.
UNITED STATES PLYWOOD CORP.
Box 5125, Ballard Station,
Seattle, Wash.
WASHINGTON PLYWOOD CO., INC.
Box 746, Everett, Wash.
WESTERN PLYWOOD, LTD.
900 E. Kent, Vancouver 15, B. C.
WILLAMETTE PLYWOOD CORP.
P. O. Box 208, Aumsville, Ore.

HEMLOCK PLYWOOD

See main plywood listing for complete information.

CASCADES PLYWOOD CORP.
Lebanon, Ore.
CENTRALIA PLYWOOD, INC.
P. O. Box 449, Centralia, Wash.
DIAMOND LUMBER CO.
Tillamook, Ore.
DWYER LUMBER CO.
6637 S. E. 100th Ave., Portland, Ore.

THREE RIVERS PLYWOOD & TIMBER CO.

Darrington, Washington

100% Hot Press

Douglas Fir and
Western Softwoods

CD SHEATHING

3 RIVERS

DARRINGTON
HEmlock 6-3461
HEmlock 6-3471
HEmlock 6-2421

EVERETT
BAyview 5701

GENUINE DOUGLAS FIR PLYWOOD PLYSCORD SHEATHING DFPA GRADED QUALITY

WSP DFPA GRADED QUALITY

HARDEL MUTUAL PLYWOOD CORP
1210 West Bay Drive,
Olympia, Wash.

LYLE, DONALD W., INC.
951 Canal St., Tacoma, Wash.

MT. BAKER PLYWOOD, INC.
2929 Roeder Ave., Bellingham, Wash.

PENINSULA PLYWOOD CORP.
439 Marine Drive,
Port Angeles, Wash.

ROSEBURG LUMBER CO.
Plant No. 2, Dillard, Ore.

ST. PAUL & TACOMA LUMBER CO
Plywood Division, Olympia, Wash.

SNELLSTROM LUMBER CO.
2818 West Sixth Ave.,
P. O. Box 449, Eugene, Ore.

STEVENSON CO-PLY, INC.
Stevenson, Wash.

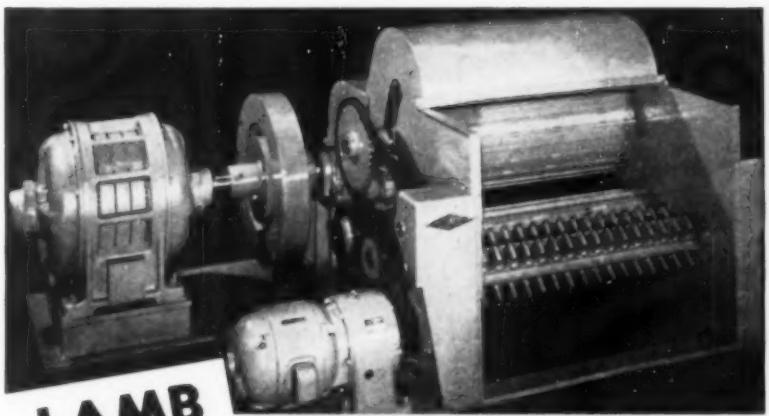
TOTEM PLYWOOD, INC.
1536 East J, Tacoma, Wash.

WASHINGTON PLYWOOD CO., INC.
Box 746, Everett, Wash.

LARCH PLYWOOD

for complete information.
See main plywood listing

JEFFERSON PLYWOOD CO.
Madras, Ore.



LAMB VENEER HOGS

Traveling-head
Jointers
Scarfing Equipment

LAMB

LAMB HOGS have been in service for many years in the plywood and veneer plants of the United States and other countries.

REDUCED OPERATION COSTS are reported in many installations of LAMB VENEER HOGS for which operator attention is not required.

LOWER MAINTENANCE COSTS are achieved by the GRIZZLY ROLL which breaks up curled veneer trim and permits the harmless passage of small bark, gravel and dirt directly down to the Fuel Conveyor without damage to the Knives.

HIGHER SPEEDS & GREATER CAPACITY are provided in this Heavy - Duty High - Speed LAMB ROLL FEED HOG. The model shown may be supplied with the Conveyor Pulley mounted on the Frame of the Hog.

WIDE RANGE OF SIZES is available in the five Cutting-Face widths, 24 inch to 48 inch. The VARIETY OF FEEDS includes Chain - Feed or Belt-Feed Table, Horizontal Roll Feed, and Angle Feed by Gravity or Shaker Hopper.

We will be pleased to quote you on the Lamb Veneer Hog suitable for your requirements.

Manufactured by

LAMB-GRAYS HARBOR CO., INC.

HOQUIAM, WASHINGTON, U.S.A. PHONE HOQUIAM 1000

Sold in Western United States by

TALLMAN MACHINERY COMPANY

P.O. BOX 117 LYNNWOOD, WASHINGTON

POLSON PLYWOOD CO.
Polson, Mont.

POTLATCH FORESTS, INC.
Lewiston, Idaho

NOBLE FIR

for complete information.
See main plywood listing

CASCADES PLYWOOD CORP.
Lebanon, Ore.

PINE PLYWOOD

for complete information.
See main plywood listing

BATE LUMBER CO.
Merlin, Ore.

BROOKINGS PLYWOOD CORP.
Brookings, Ore.

BUFFELEN WOODWORKING CO.
P. O. Box 1383, Tacoma, Wash.

CASCADES PLYWOOD CORP.
Lebanon, Ore.

COLUMBIA VENEER CO.
Kalama, Wash.

ELLIOTT BAY MILL CO.
600 W. Spokane St., Seattle 4, Wash.

EVERETT PLYWOOD & DOOR CORPORATION
P. O. Box 909, Everett, Wash.

INTERNATIONAL PAPER CO.
Long-Bell division, Weed, Calif.

KLAMATH HARDWOOD CO., INC.
P. O. Box 431, Klamath Falls, Ore.

MULTNOMAH PLYWOOD CORP.
Portland, Ore.

POLSON PLYWOOD CO.
Polson, Mont.

POTLATCH FORESTS, INC.
Lewiston, Ida.

S & K LIMITED
(Plywood Division)
P. O. Box 390, Kelowna, B. C.

ST. PAUL & TACOMA LUMBER CO.
Plywood Division, Olympia, Wash.

SIMPSON LOGGING CO.
Lyons, Ore.

SIMPSON LOGGING CO.
2301 N. Columbia Blvd.,
Portland, Ore.

UNITED STATES PLYWOOD CORP.
Shasta Plywood Division
Anderson, Calif.

UNITED STATES PLYWOOD CORP.
Box 5125, Ballard Station,
Seattle, Wash.

REDWOOD PLYWOOD

See main plywood listing
for complete information.

SIMPSON REDWOOD CO.
Eureka, Calif.

SILVER FIR PLYWOOD

See main plywood listing
for complete information.

THREE RIVERS PLYWOOD & TIMBER CO.
Harrington, Wash.

Another **STANLEY STEEL STRAPPLICATION*** on the job

Going UP . . . production!

Here, a single band of Stanley Heavy Duty Steel Strapping (costing approximately 45 cents) serves to "Uni-Tie" 8 tons of logs into one compact bundle to make movement from truck (or storage point) to mill easier, faster and more economical. Production goes up while costs come down.

Saving time and money in handling is only *one* benefit attained through the Stanley "Uni-Tie" Method. Bundling logs with rugged Stanley Heavy Duty Steel Strapping can double, maybe *triple*, the capacity of your log storage area, reduce log jams and sinker losses and improve your over-all logging operations.

WRITE FOR YOUR FREE COPY of the "Stanley Strapplication Manual of Packaging and Shipping" for information prepared specifically for the logging field. **STANLEY STEEL STRAPPING**, Division of The Stanley Works, Dept. L, 1176 Lake Street, New Britain, Connecticut.

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STANLEY **The system-atic way to solve specific packaging and shipping problems*

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SPRUCE PLYWOOD

See main plywood listing for complete information.

ASTORIA PLYWOOD CORP.
409-23rd St., Astoria, Ore.

CENTRALIA PLYWOOD, INC.
P. O. Box 449, Centralia, Wash.

DIAMOND LUMBER CO.
Tillamook, Ore.

FORT VANCOUVER PLYWOOD CO.
Ft. 11th St., P. O. Box 289,
Vancouver, Wash.

GRANTS PASS PLYWOOD, INC.
125 N. E. Mill St., P. O. Box 670,
Grants Pass, Ore.

PENINSULA PLYWOOD CORP.
439 Marine Drive,
Port Angeles, Wash.

POLSON PLYWOOD CO.
Polson, Mont.

S & K LIMITED
(Plywood Division)
P. O. Box 390, Kelowna, B. C.

WASHINGTON PLYWOOD CO., INC.
Box 746, Everett, Wash.

WHITE FIR PLYWOOD

See main plywood listing for complete information.

JEFFERSON PLYWOOD CO.
Madras, Ore.

Western Veneer Plants

BRITISH COLUMBIA

BRITISH COLUMBIA FOREST PRODUCTS, LTD.
Youbou, B. C.
Home office: 995 West 6th Avenue, Vancouver 9, B. C.
ANNUAL CAPACITY:
($\frac{1}{8}$-inch basis) 200,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe.

NOTICE TO SUBSCRIBERS

Beginning with the January 1958 issue, THE LUMBERMAN will be published on a regular monthly cycle, instead of the every-4-week basis that has been followed during 1957.

The LUMBERMAN will be issued on the 20th of the preceding month date of each issue.

The 13th edition of THE LUMBERMAN will be published in December as the ANNUAL PLYWOOD REVIEW. The regular May issue will feature the ANNUAL BOARD REVIEW.

PERSONNEL:
H. G. Munro, pres.; W. H. Pumfrey sls. mgr.; C. W. Potter, plant supt., T. D. R. Humphreys, mgr.
SALES AGENTS:
MacMillan & Bloedel Limited, 837 West Hastings St., Vancouver, B.C.

CANFORD VENEER, LTD.

Canford, B. C.
Telephone: Merritt 10 R.
ANNUAL CAPACITY:
(⅛-inch basis) 40,800,000 sq. ft.
EQUIPMENT:
1 lathe.

FULLERTON VENEER & PLYWOOD CO., LTD.

Foot of Fell Ave., P. O. Box 286, North Vancouver, B. C.
Phone: York 4111.
ANNUAL CAPACITY:
(⅛-inch basis) 170,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe.
PERSONNEL:
J. P. O'Hagan, sls. mgr.; E. F. Jordan, plant mgr.
SALES AGENTS:
Manning Forest Products, Broadway Bldg., Portland 5, Ore.

MT. BAKER PLYWOOD, LTD.

P. O. Box 534 New Westminster, B. C.
Phone: LA 2-5788
ANNUAL CAPACITY:
(⅛-inch basis) 120,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe.
PERSONNEL:
C. Flatau, pres.; B. H. Gunning, mgr. dir.; V. R. Stark, sls. & plant mgr.

SAVONA TIMBER CO., LTD.

Savona, B. C.
Telephone: Savona 1-G
ANNUAL CAPACITY:
(⅛-inch basis) 50,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe.
PERSONNEL:
M. D. King, pres. and sales mgr.; A. A. Thomson, gen. mgr.
SALES AGENTS:
Bennett Veneer Factors, Inc., Jackson Tower, Portland 5, Ore.; Savona Timber Co., Ltd., 214 Standard Building, 510 West Hastings St., Vancouver 2, B. C.

CALIFORNIA

CAL-ORE VENEER, INC.

Route 1, Box 631, Crescent City, Calif.
Phone: 7761
ANNUAL CAPACITY:
(⅛-inch basis) 42,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe.
PERSONNEL:
F. A. Johnson, pres.; L. V. St. Onge, sls. mgr.; Freeman Tollefson, plant supt. & res. mgr.
SALES AGENTS:
Plywood & Veneer Sales Co., P. O. Box 670, Grants Pass, Ore.

CANYON VENEER, INC.

Manchester, Calif.
Phone: Turner 2-2384
Home office: 147 Dina St. Cloverdale, Calif.
ANNUAL CAPACITY:
(⅛-inch basis) 30,000,000 sq. ft.
SPECIAL PRODUCTS:
Cross panel veneer.
EQUIPMENT:
1 lathe.
PERSONNEL:
James Fellows, pres.; Carl H. Stevenson, sec.-treas.; Phil Jenkins, plant mgr.

CONIFER WOOD PRODUCTS

P. O. Box 529, Auburn, Calif.
Phone: TU 5-6291
ANNUAL CAPACITY:
(⅛-inch basis) 60,000,000 sq. ft. Douglas fir ponderosa, red and white fir.
EQUIPMENT:
1 lathe.
PERSONNEL:
Robert E. Meade, pres. & sls. mgr.; Wayne Nech, gen. mgr.; Joe Bartholomew, plant mgr.

FORT SEWARD MILL & VENEER CO.

Fort Seward, Calif.
ANNUAL CAPACITY:
(⅛-inch basis) 64,800,000 sq. ft. Douglas fir.
EQUIPMENT:
2 lathes.
PERSONNEL:
W. J. Miller, pres.; O. C. Davenport, gen. & plant mgr.; Bruno Berselli, sls. mgr.; George Smith, plant supt.

High Density
Medium Density

PLASTIC

RICHLITE® OVERLAY

Resin Impregnated
Cellulose Fiber For
Permanent Bonding
to Plywood and Hardboard

Manufactured By . . .

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Pioneers In The Field
of Plastic Faced Plywood
and Plastic Laminates
For Industrial Uses

Address Inquiries as to Plastic Faced Plywood and Richlite Overlay to Rainier Plywood Company, 2142 East 'D' Street, Tacoma (2), Washington.

DOUGLAS FIR PLYWOOD INDUSTRY SPECIALTY PRODUCTS MANUFACTURERS

COMPANY	TRADE NAME	COLOR
HIGH DENSITY OVERLAY		
Anacortes Veneer, Inc.	ARMORON	Natural
(Conc. Form)	ARMORON GREY	Grey-Green
Cascades Plywood Corp.		Natural
Georgia-Pacific Corp.	GPX General Use	Natural
(Conc. Form)	GPX	Natural
Harbor Plywood Corp.	HARBORITE HD	Brown
Hines (Edward) Lumber Co.	HI-DENSITY	Natural
St. Paul & Tacoma Lbr. Co.	PLYGLAZE	Natural
(Conc. Form)	PLYGLAZE	Natural
Washington Plywood Co., Inc.	EVERUSE	Natural
(Conc. Form)	EVERFORM	Natural
MEDIUM DENSITY OVERLAY		
Cascades Plywood Corp.	DURAPLY	Coral
Diamond Lumber Co.	CREZON-SURFACED	Wood Tone
(Beveled)	SUPER SIDING	Wood Tone
Georgia-Pacific Corp.	GPX GREEN	Light Green
	GPX YELLOW	Wood Tone
	GPX YELLOW SIDING	Wood Tone
Harbor Plywood Corp.	HARBORITE	Brown
(Conc. Form)	HARBORITE	Brown
(Beveled)	HARBORSIDE	Brown
	SPECIAL HARBORITE	Brown
Hines (Edward) Lumber Co.	EHLCO-PLY	Wood Tone
	EHLCO-PLY SIDING	Wood Tone
Mt. Baker Plywood, Inc.	CREZON-SURFACED	Wood Tone
Roseburg Lumber Co.	CREZON-SURFACED	Wood Tone
St. Paul & Tacoma Lbr. Co.	PLYALOY	Wood Tone
	PLYALOY SIDING	Wood Tone
U. S. Plywood Corp.	DURAPLY	Coral
	DURAPLY SIDING	Coral
Washington Plywood, Inc.	EVERLAST	Wood Tone
(Beveled)	EVERSIDE	Wood Tone
West Coast Plywood Co.	WELCHBOARD	Wood Tone
(Siding)	WELCHBOARD	Wood Tone
RELIEF-GRAINED (BRUSHED)		
Durable Plywood Co.	ETCH-PLY	
Everett Plywood & Door Corp.	BRUSHT-PLY	
Georgia-Pacific Corp.	RIPPLEWOOD	
Harbor Plywood Corp.	HARBORWAVE	
Medford Veneer & Plywood Corp.	WINDRIFT	
Mt. Baker Plywood, Inc.	DRIFTWOOD	
Northern California Plywood, Inc.	ROYAL-PLY	
North Pacific Plywood, Inc.	DECO PANEL	
Puget Sound Plywood, Inc.	GRAINGLO	
Roddiscraft, Inc.		
Roseburg Lumber Co.	BRUSH WOOD	
Simpson Logging Co.	SHADOWOOD	
St. Paul & Tacoma Lbr. Co.	MOIRE	
U. S. Plywood Corp.	SEA SWIRL	
	SURFWOOD	
OTHER SPECIAL PATTERNS		
Astoria Plywood Corp.	CASCADE (Embossed)	
	SHAN-TONG (Embossed)	
	SKETCHWOOD (Embossed)	
Georgia-Pacific Corp.	GEORGIA-PACIFIC (Striated)	
Roddiscraft, Inc.	CASCADE (Embossed)	
	TWEED (Embossed)	
	SKETCHWOOD (Embossed)	
	STRIATED (Embossed)	
Simpson Logging Co.	PLYWEAVE (Embossed)	
	STRIATED (Embossed)	
U. S. Plywood Corp.	WELDTEX (Striated)	

TEXTURE ONE-ELEVEN

Anacortes Veneer, Inc.	North Pacific Plywood, Inc.
Cascades Plywood Corp.	Northwest Door Co.
Columbia Veneer Co.	Puget Sound Plywood, Inc.
Diamond Lumber Co.	Roddiscraft, Inc.
Durable Fir Lbr. & Plywood Co.	Roseburg Lbr. Co.
Durable Plywood Co.	St. Paul & Tacoma Lbr. Co.
Everett Plywood & Door Corp.	Simpson Logging Co.
Fort Vancouver Plywood Co.	Snellstrom Lbr. Co.
International Paper Co.	U. S. Plywood Corp.
Mt. Baker Plywood, Inc.	West Coast Plywood Co.

Robert N. Kelly
President

George R. Van Vleet, Jr.
Vice-president

Announcing

A New Sales Service for Plywood Manufacturers and Distributors

Kelly - Van Vleet, Incorporated, brings together personnel experienced in timber, lumber and plywood manufacture and with broad successful national sales background.

The service offered will result in closer coordination between raw material, plant production and customer requirements.

Correspondence is invited from manufacturers and distributors interested in availing themselves of this service.

KELLY-VAN VLEET, INCORPORATED

915 Flood Building • San Francisco, California

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Sales Manager George Kern

GUALALA VENEER CO.
Gualala, Calif.
Phone: Tuxedo 4-3466
ANNUAL CAPACITY:
(⅛-inch basis) 36,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe.
PERSONNEL:
R. M. Hoskins, pres., gen. & sls. mgr.; W. E. Kimberling, plant supt.

HOOPA VENEER CO.
Hoopa, Calif.
ANNUAL CAPACITY:
(⅛-inch basis) 110,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe.
PERSONNEL:
Sam K. Arness pres. & gen. mgr.; Eric Bork, plant supt. & mgr.
SALES AGENTS:
Pacific Fir Sales.
Rochlin, gen. mgr.; E. W. Strauser, sls. mgr.; Jim Kinsey, plant mgr.

MEDFORD VENEER & PLYWOOD CORP.
Crescent City, Calif.
Home office: 1103 N. Riverside Ave., Medford, Ore.
ANNUAL CAPACITY:
(⅛-inch basis) 180,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe.
PERSONNEL:
Paul McDonald, pres.; Glen L. Jones, gen. mgr.; Al Coble, plant supt.
SALES AGENTS:
Western Forest Sales Corp., P. O. Box 1116, Santa Barbara, Calif.

ORLEANS VENEER & LUMBER CO.
Orleans, Calif.
Home office: Box 427, Arcata, Calif.
Phone: Van Dyke 2-0335
Teletype: Arcata 94
ANNUAL CAPACITY:
(⅛-inch basis) 144,000,000 sq. ft. Douglas fir.
EQUIPMENT:
2 lathes.
PERSONNEL:
Abraham Rochlin, pres.; Larry Rochlin, gen. mgr.; E. W. Strauser sls. mgr.; Wilbur Butts, plant mgr.

PACIFIC COAST CO., THE
P. O. Box 248, Leggett, Calif.
Phone: 480
Home office: P. O. Box 8, Sonoma, Calif.
ANNUAL CAPACITY:
(⅛-inch basis) 180,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe.
PERSONNEL:
Hugh J. Jacks, pres.; A. W. Agnew, Vice-pres. & gen. mgr.; George W. Karlson, prod. mgr.; Wayne Calder, Jr., plant supt. veneer.
SALES AGENTS:
Dale F. Harper, P. O. Box 252, San Mateo, Calif.

PAT VENEER CO.
Box 1510, Redding, Calif.
ANNUAL CAPACITY:
(⅛-inch basis) 80,000 000 sq. ft. Douglas fir.
EQUIPMENT:
2 lathes; 1 dryer.
PERSONNEL:
John L. Perkins, pres. & gen. mgr.; Hal Roberts, sls. mgr.

ROCHLIN VENEER & PLYWOOD CO.
Willow Creek, Calif.
Home office: Box 427, Arcata, Calif.
Telephone: Van Dyke 2-0335; Teletype Arcata 94
ANNUAL CAPACITY:
(⅛-inch basis) 144,000,000 sq. ft. Douglas fir.
EQUIPMENT:
2 lathes.
PERSONNEL:
Abraham Rochlin, pres., Larry

SIMPSON REDWOOD CO.
Klamath, Calif.
Phone: Hillside 3-1601
Home office: Arcata, Calif.
ANNUAL CAPACITY:
(⅛-inch basis) 240,000,000 sq. ft. Douglas fir.
EQUIPMENT:
2 lathes.
PERSONNEL:
Gordon Manary, vice-pres.; J. M. Elliott, plant mgr.; Coady Craddick, plant supt.

SISKIYOU PLYWOOD CO.
Box 564, Scotia, Calif.
Home office: 407 Terminal Sales Bldg., Portland, Ore.
Phone: CA 3-6271.
ANNUAL CAPACITY:
(⅛-inch basis) 100,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe, 1 dryer.
PERSONNEL:
L. M. Hampton, pres. & gen. mgr.; Donald G. Jones, sls. mgr.

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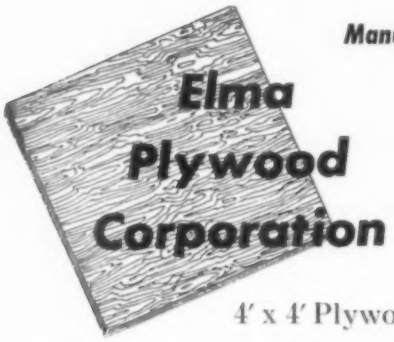

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SALES AGENTS:
Hampton Lumber Sales Co., 407 Terminal Bldg., Portland, Ore.

TIMBERLINE, INC.

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P. O. Box 502, Crescent City, Calif.
Phone: 2941

ANNUAL CAPACITY:
(⅛-inch basis) 12,000,000 sq. ft. Douglas fir and redwood.

SPECIAL PRODUCTS:
V. G. fir veneer; sliced redwood; madrone; myrtle, oak & other western hardwood by quotation.

EQUIPMENT:
Peter H. Koehler, gen. mgr.; Ray Stiles, plant supt.

SALES AGENTS:
C. P. I. Veneers, Central Building, Seattle, Wash. and Weatherly Bldg. Portland, Ore.

TRINITY ALPS LBR. CO.

Hayfork, Calif.
Phone 3719
Home office: American Forest Products, 2740 Hyde St., San Francisco, Calif.

ANNUAL CAPACITY:
(⅜-inch, 3-ply) 75,000,000 sq. ft. Douglas fir; 10,000,000 sq. ft. hemlock.

EQUIPMENT:
1 lathe.

PERSONNEL:
C. T. Gray, pres.; H. B. Oatman, gen. mgr.; Atlee Evje, sls. mgr.; Tom Fleming, plant supt.

SALES AGENTS:
Tarter Webster & Johnson, 2740 Hyde St., San Francisco, Calif.

UNION LUMBER CO.

Fort Bragg, Calif.
Phone: Yorktown 4-5651
Home office: 620 Market St., San Francisco, Calif.

ANNUAL CAPACITY:
(⅛-inch basis) 94,000,000 sq. ft.

EQUIPMENT:
1 lathe.

PERSONNEL:
C. Russell Johnson, pres.; John H. Gray, gen. mgr.; S. A. Bishop, sls. mgr.; H. Pierson Plummer, plant mgr.; Howard Hyde, plant supt.

UNITED STATES PLYWOOD CORP.

Shasta Plywood Division
Anderson, Calif.
Temporarily Closed.

WEST COAST VENEER CO.

New No. 101 Highway, P. O. Box 81, Crescent City, Calif.
Phone: 6814

ANNUAL CAPACITY:
(⅛-inch basis) 108,000,000 sq. ft. Douglas fir.

EQUIPMENT:
2 lathes; 1 slicer.

PERSONNEL:
Axel I. Lund, pres.; E. Melvin Lund, logging mgr.; Orvil Morris, plant supt.; Robert Hatley, 2nd shift supt.; Donald Hemmingsen, master mechanic.

WILLAMETTE PLYWOOD CORP.

Happy Camp, Calif.
Home office: Box 208, Aumsville, Ore.
Phone 79

ANNUAL CAPACITY:
(⅛-inch basis) 130,000,000 sq. ft. Douglas fir, white pine, cedar.

EQUIPMENT:
1 lathe.

PERSONNEL:
Harold Leevers, pres.; R. A. Evans, gen. & sls. mgr.; Victor Dusenberry, plant mgr.; H. L. Hopkins, plant supt.

YREKA VENEER, INC.

Happy Camp, Calif.

ANNUAL CAPACITY:
⅛-inch basis) 144,000,000 sq. ft. Douglas fir.

EQUIPMENT:
2 lathes.

PERSONNEL:
Ray O. Alder, pres.; W. S. Henson, gen. mgr.

OREGON

BENTON TIMBER PRODUCTS CORP.

P. O. Box 506, Philomath, Oregon.
Phone: Waverly 9-3017

ANNUAL CAPACITY:
(⅛-inch basis) 23,411,000 sq. ft. Douglas fir.

EQUIPMENT:
1 lathe.

PERSONNEL:
A. E. Albertsen, pres.; D. E. Johnson, sls. gen . & plant mgr.; D. M. Daubenspeck, plant supt.

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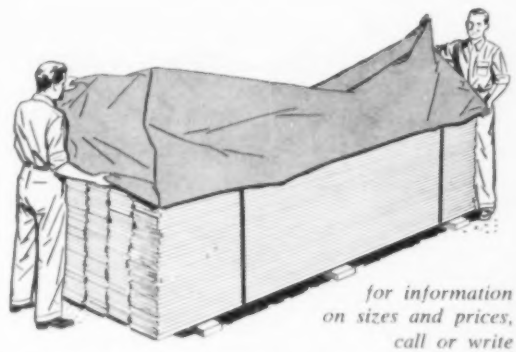

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BENTON VENEER CORP.
Corvallis, Ore.
Phone: Waverly 9-3711
ANNUAL CAPACITY:
(⅛-inch basis) 200,000,000 sq. ft. Douglas fir.
EQUIPMENT:
2 lathes.
PERSONNEL:
Roy J. Foy, pres. & gen. mgr.; G. S. Robinson, sls. mgr.; Leo Foy, plant supt.; Don Johnson, log buyer.

BOHEMIA LUMBER CO., INC.
Culp Creek, Ore.
Phone: Whitney 6-1434
ANNUAL CAPACITY:
(⅛-inch basis) 144,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe, 1 dryer.
PERSONNEL:
L. L. Stewart, pres.; R. W. Kensit, gen mgr.; S. Pittman, sales mgr.

CAMPBELL & McLEAN, INC.
Gold Beach, Ore.
Home office: 199 No. Bertelsen Rd., Eugene, Ore.
Phone: Diamond 5-0577
ANNUAL CAPACITY:
(⅛-inch basis) 350,000,000 sq. ft. Douglas fir.
EQUIPMENT:
2 lathes.
PERSONNEL:
C. F. Campbell, pres.; M. M. McLean, vice-pres. & gen. mgr.; L. C. Nelson, sls. mgr.; R. L. Sthen, plant supt.; C. O. Thomason, plant mgr.

COOS VENEER CO.
P. O. Box 13
Broadbent, Ore.
Phone: 2751 Myrtle Point
ANNUAL CAPACITY:
(⅛-inch basis) 160,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe.
PERSONNEL:
Wm. J. M. Kinley, gen. mgr.

COQUILLE PLYWOOD
Division of Textron, Inc.
Norway, Oregon
Phone: 1441
Home office: Box 215, Coquille, Ore.
ANNUAL CAPACITY:
(⅜-inch, 3-ply) 273,000,000 sq. ft. Douglas fir.
EQUIPMENT:
2 lathes.
PERSONNEL:
Wm. C. Ulett, pres. & gen. mgr., Stan E. Sherwood, sls. mgr.; Con Driscoll, plant mgr.; Wm. A. Parry, plant supt.

COQUILLE VALLEY LBR. CO., INC.
Paris, Ore.
Phone: Tidewater, Ore., Jackson 8-3285
Home office: Swisshome, Ore.
ANNUAL CAPACITY:
(⅛-inch basis) 216,000,000 sq. ft. Douglas fir.
EQUIPMENT:
2 lathes.
PERSONNEL:
Leon Guggenbickler, pres. & plant mgr.; Noble H. Chowning, gen. mgr.; Noble H. Chowning, Jr., sls. mgr.; Noble Robinson, plant supt.

CROWN ZELLERBACH CORP.
P. O. Box 397
St. Helens, Oregon
Phone: 1180
Home office: Public Service Bldg., Portland 4, Ore.
Phone: CA 7-6481; Teletype PD 192
ANNUAL CAPACITY:
(⅛-inch basis) 150,000,000 sq. ft. Douglas fir.
EQUIPMENT:
2 lathes.
PERSONNEL:
A. B. Layton, pres.; R. V. Harkema, gen. mgr.; H. E. Bowman, plant mgr.

DEAN CO., THE
(Olympic Mfg. Co. Division)
P. O. Box 426, Gresham, Oregon.
Phone: MOhawk 5-2161; Teletype Gresham 95.
Home office: 666 Lake Shore Drive, Chicago 11, Ill.
ANNUAL CAPACITY:
(⅛-inch basis) 18,000,000 sq. ft. Douglas fir, redwood and Philippine mahogany.
EQUIPMENT:
2 slicers, 2 dryers.
PERSONNEL:
T. J. Connelly, pres. and sls. mgr.; J. S. Vaughan, gen. & plant mgr.; W. P. Edmondson, plant supt.
SALES AGENTS:
2008 English St., High Point, N. C.; 810 S. Santee St., Los Angeles 14, Calif.; P. O. Box 8, New Albany, Ind.; Olympic Mfg. Co., P. O. Box

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Three-drum S-333 in Memphis, Tenn. plant of Memphis Furniture Manufacturing Co. (above). Letter below from T. C. Faulk, superintendent, says in part:

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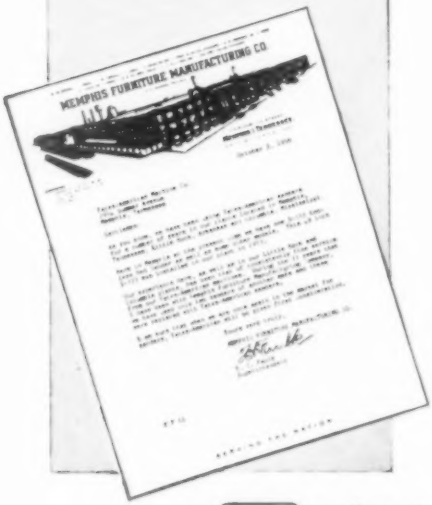

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D L VENEER CO.
Route 2, McMinnville, Ore.
Phone: 16133 & 7722
ANNUAL CAPACITY:
(⅛-inch basis) 24,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe.
PERSONNEL:
Lowell Sexton, pres.

ROBERT DOLLAR CO., THE
Glendale, Ore.
Phone: Vernon 2-5810
Home office: 311 California St., San Francisco, Calif.
ANNUAL CAPACITY:
(⅛-inch basis) 190,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe.
PERSONNEL:
R. Stanley Dollar, Sr., pres.; T. H. Mehl, Jr., gen. mgr.; J. L. Taylor, plant supt.

DOUGLAS VENEER CO.
Dixonville, Ore.
Home office: Box 1091, Roseburg, Ore.
Phone: OR 23141
ANNUAL CAPACITY:
(⅛-inch basis) 350,000,000 sq. ft. Douglas fir; 10,000,000 sq. ft. hemlock.
EQUIPMENT:
2 lathes.
PERSONNEL:
C. H. Pearson, pres.; Wilson Garton, plant supt.

DWYER LUMBER CO.
6637 S. E. 100th Ave., Portland 66, Ore.
Phone: Prospect 1-1166; Teletype, PD 793, (Unattended Service).
ANNUAL CAPACITY:
(⅛-inch basis) 120,000,00 sq. ft. Douglas fir and hemlock.
EQUIPMENT:
1 lathe; 1 dryer.
PERSONNEL:
A. J. Dwyer, pres.; E. C. Dwyer, gen. mgr.; A. F. Janowski, sls. mgr.; G. R. Steward, plant mgr.; Joe Petrovich, plant supt.

EDWARDS BROS. CONSTRUCTION CO.
P. O. Box 487
Albany, Ore.
Phone: Wabash 6-2279
ANNUAL CAPACITY:
(⅛-inch basis) 48,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe.
PERSONNEL:
Allen Edwards, pres.; Marty Edwards, sls. & gen. mgr.

EUGENE STUD AND VENEER, INC.
3300 Cross St., P. O. Box 389, Eugene, Ore.
Home office: 2774 Alder St., Eugene, Ore.
Phone: Diamond 4-1474; Teletype EG 119
ANNUAL CAPACITY:
(⅛-inch basis) 80,000,000 sq. ft. Douglas fir.
EQUIPMENT:
2 lathes.
PERSONNEL:
M. S. Fredrickson, pres.; gen. sls. & plant mgr.; W. T. Brown, plant supt.

EVANS PRODUCTS CO.
Gold Beach, Ore. with plant located at Euchre Creek.
Phone: Cherry 7-2273
ANNUAL CAPACITY:
(⅛-inch basis) 54,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe.
PERSONNEL:
E. S. Evans, Jr., pres.; C. J. Short, vice pres. western div.; D. C. Prohaska, plant supt.
SALES AGENTS:
Bennett Veneer Factors, Inc., Portland, Ore.

EVANS PRODUCTS CO.
Gold Beach, Ore.
Phone: Cherry 7-4463; Teletype 373
Home office: Coos Bay, Ore.
ANNUAL CAPACITY:
(⅛-inch basis) 54,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe.
PERSONNEL:
E. S. Evans, Jr., pres.; C. J. Short, vice-pres. western div.; D. C. Prohaska, plant supt.
SALES AGENTS:
Bennett Veneer Factors, Inc., Portland, Ore.

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HARBOR PLYWOOD CORP.
Riddle, Ore.
Phone: 2451; Teletype 34
Home office: Aberdeen, Wash.
ANNUAL CAPACITY:
(⅛-inch basis) 75,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe
PERSONNEL:
M. N. Deggeller, pres. & gen. mgr.; H. W. Van Natta, dir. of sls.; G. P. Wilcox, plant mgr.; Forrist Brittian, plant supt.
SALES AGENTS:
See Harbor Plywood Corp., Aberdeen, Wash., plywood listing.

HUB CITY PLYWOOD CORP.
Creswell, Ore.
Home office: P. O. Box 254, Albany, Ore.
Phone: Wabash 6-2239
ANNUAL CAPACITY:
(⅛-inch basis) 72,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe.
PERSONNEL:
Elton Disher, pres. & gen. mgr.; William F. Gwinn, sls. mgr.; Elmer Salo, plant mgr.

HULT LUMBER CO.
Horton, Ore.
Home office: Junction City, Ore.
Phone: Wyman 8-2313; Teletype 404
ANNUAL CAPACITY:
(⅛-inch basis) 90,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe.
PERSONNEL:
Julius Hult, pres.; Nils B. Hult, gen. mgr.; A. E. Wall, sls. mgr.; W. I. Lydston, plant supt.

KOGAP VENEER CO.
P. O. Box 1268
Medford, Ore.
Phone: Spring 2-6225; Teletype MF 43
ANNUAL CAPACITY:
(⅛-inch basis) 60,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe.
PERSONNEL:
S. V. McQueen, pres. & gen. mgr.; Leroy White, plant supt.

LAKE PLEASANT PLYWOOD CO.
Tiller, Ore.
Home office: P. O. Box 192, Roseburg, Ore.
Phone: Orchard 2-3381
ANNUAL CAPACITY:
(⅛-inch basis) 50,000,000 sq. ft. Douglas fir.
SPECIAL PRODUCTS:
Dry 4-foot core.
EQUIPMENT:
1 lathe.
PERSONNEL:
W. H. Gonyea, pres.; Craig Dishman, sls. mgr.; Walt Cook, plant supt.; Geo. Rittenhouse, plant mgr.

LANE VENEER CO.
Irving Road, Eugene, Ore.
Home office: P. O. Box 789, Eugene, Ore.
Phone: Diamond 5-2381
ANNUAL CAPACITY:
(⅛-inch basis) 228,000,000 sq. ft. Douglas fir.
EQUIPMENT:
2 lathes.
PERSONNEL:
Marion Q. Jones, pres.; Vance Vollmer; gen. mgr.; H. R. Harder, plant supt.; Nick Daviscourt, plant mgr.

MIAMI VENEER CO.
Tillamook, Ore.
Phone: Victor 2-4428
ANNUAL CAPACITY:
(⅛-inch basis) 36,000,000 sq. ft. (4-foot stock) Douglas fir, hemlock and spruce.
EQUIPMENT:
1 lathe.
PERSONNEL:
W. C. Henry, Jr., pres.; Orin Rosenberg, gen. mgr.; Ernie Arthur, plant supt.
SALES AGENTS:
Plywood Veneer, Inc. , 400 Boren Ave. N., Seattle, Wash.

OREGON COAST VENEER, INC.
Brookings, Ore.
ANNUAL CAPACITY:
(⅛-inch basis) 120,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe.
PERSONNEL:
B. D. Mitchell, pres. and gen. mgr.

OREGON HARDWOOD VENEER, INC.
Grand Ronde, Ore.
Phone: UP 9-2552
ANNUAL CAPACITY:
(⅛-inch basis) 36,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe.
PERSONNEL:
Rurik Hendrickson, pres.; Sigurd R. West, plant mgr.
SALES AGENTS:
Bennett Veneer Factors, Portland, Ore.

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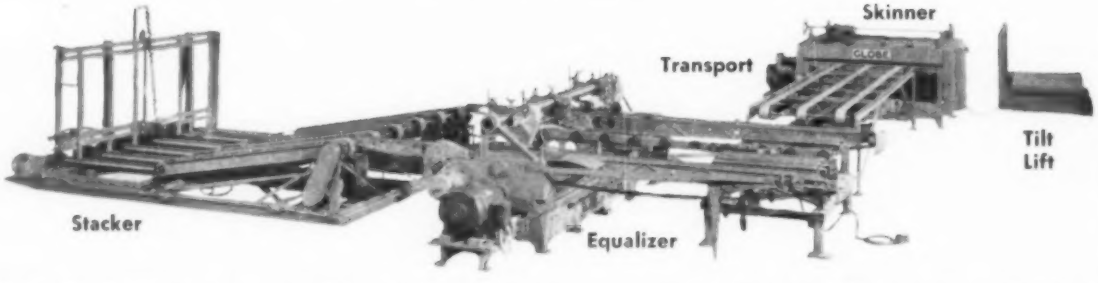

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701 E. D ST.
TACOMA 2, WN.

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OREGON-WASHINGTON PLYWOOD CO.
Harbor, Ore.
Phone: Brookings 2044
Home office: Garibaldi, Ore.
ANNUAL CAPACITY:
(⅛-inch basis) 50,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe.
PERSONNEL:
A. F. Wiggers, vice-pres. & gen. mgr.; C. G. Patton, plant mgr.; Ted Stevers, plant supt.

PORT ORFORD PLYWOOD CORP.
Cape Blanco Road, P. O. Box 897, Port Orford, Ore.
Phone: ED 2-3111
ANNUAL CAPACITY:
(⅛-inch basis) 179,000,000 sq. ft. Douglas fir; 500,000 sq. ft. hemlock; 500,000 sq. ft. Port Orford cedar.
EQUIPMENT:
1 lathe.
PERSONNEL:
H. W. Cook, pres.; Joe Zook, gen. mgr.; Glenn Jackson, plant supt.

SIMPSON LOGGING CO.
Idanha, Ore.
ANNUAL CAPACITY:
(⅛-inch basis) 60,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe.
PERSONNEL:
C. H. Bacon, Jr., vice-pres.; H. W. McClary, mgr.; Harold Johns, sls. mgr.; Guy M. Hartle, plant mgr.; M. F. Spencer, plant supt.

SNELLSTROM LUMBER CO.
Elkton, Ore.
Home office: Box 449, 2818 West Sixth Ave., Eugene, Ore.

STIMSON LUMBER CO.
Forest Grove, Ore.
Phone: Capitol 8-9358 (Portland)
ANNUAL CAPACITY:
(⅛-inch basis) 180,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe; 2 slicers.
PERSONNEL:
Harold A. Miller, pres. & gen. mgr.; R. W. Replogle, sls. mgr.; E. L. Crocker, veneer plant mgr.; Rudy J. Kreus, veneer plant supt.

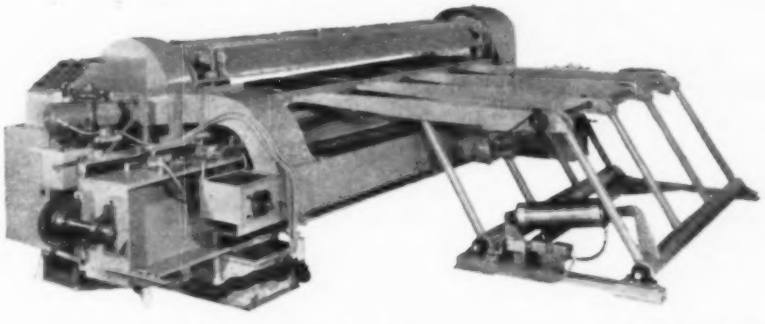
SWEET HOME VENEER
800 18th St.
Sweet Home, Ore.
Phone: Empire 7-4626
Phone: Empire 7-4626
ANNUAL CAPACITY:
(⅛-inch basis) 72,000,000 sq. ft.
EQUIPMENT:
1 lathe.
PERSONNEL:
Vernon B. Geil, owner, gen., sls. & plant mgr.; Alvie Leach, plant supt.; George Seward, office mgr.
SALES AGENTS:
Bennett Veneers Factors, Inc.

TILLAMOOK VENEER CO.
Box 193
Tillamook, Ore.
Phone: Victor 2-2831
ANNUAL CAPACITY:
(⅛-inch basis) 100,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe.
PERSONNEL:
Walter Purcell, pres.; Walter Purcell & E. E. Roberts, co-owners; E. E. Roberts, sls. & plant mgr.; Art Barlow, plant supt.

UNITED STATES PLYWOOD CORP.
Oregon Division
P. O. Box 1456, Gold Beach, Ore.
Phone: Cherry 7-2581; Teletype 40
Administrative headquarters and main sales office: Second & Garfield Sts., P. O. Box 672, Eugene, Ore.; Phone, Diamond 4-2203; Teletype EG 069.
Home office: 55 West 44th St., New York 17, New York.
ANNUAL CAPACITY:
(⅛-inch basis) 42,000,000 sq. ft. Douglas fir.
EQUIPMENT:
2 lathes.
PERSONNEL:
S. W. Antoville, pres. (New York); Gene C. Brewer, vice-pres. of West Coast operations (P. O. Box 1688, Redding, Calif.); Marshall R. Leeper, gen. mgr.; William W. Wells, exec. administrator; Willis E. Parnell, plywood & Veneer production mgr.; Norem E. Ottosen, plywood sls. mgr. Frank McPherson, operations mgr.
SALES AGENTS:
Offices in all major cities in U. S. and Canada. See listing of Anderson, Calif. plant.

VALLEY VENEER CO., INC.
P. O. Box 587, Grants Pass, Ore.
Phone: Greenwood 6-2607.

A NEW ROTARY CLAMP VENEER JOINTER
by GLOBE
Fast . . . Economical . . . Accurate



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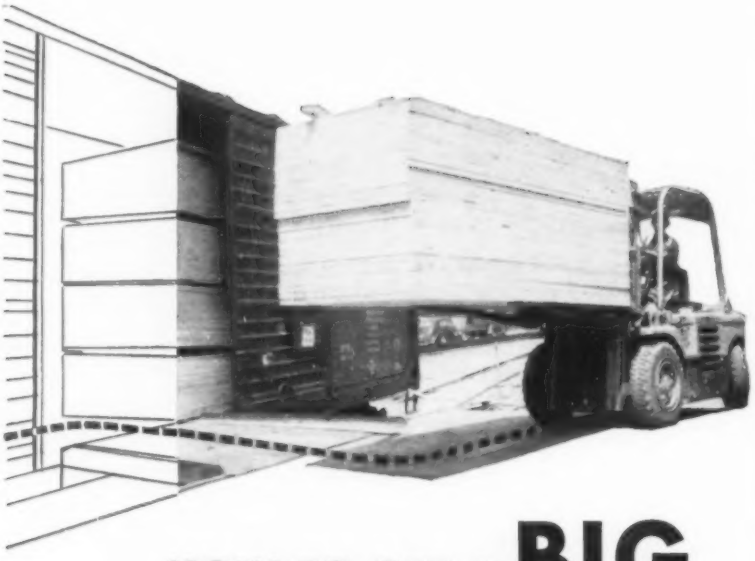
PHONE FU 3-2584
701 EAST D ST.
TACOMA, WASH.

ALSO MFRS. OF BARKERS, SKINNERS, PANEL CUT-OFF SAWS, ETC.



HOW TO GET A **BIG** LOAD OUT OF A **TIGHT** SPOT

...and in less than 90 minutes!

Any way you look at it, a boxcar of plywood is a big load (66,000 board feet, 92,000 lbs.) in a tight spot.

Orco Cooperative Warehouse, Inc., Santa Ana, California, does it quickly and easily with a 6,000 lbs. capacity Hyster® 60 on pneumatic tires.

Power steering, standard equipment on the Hyster 60, 70, 80, and an extremely short outside radius gets these trucks in and out of tight spots with minimum operator effort and maneuvering.

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Call your Hyster Dealer. He is in the yellow pages under "Materials Handling" or "Trucks-Industrial"

HYSTER®

Factories: Portland, Oregon • Danville, Illinois • Peoria, Illinois
Nijmegen, The Netherlands • Sao Paulo, Brazil
Glasgow, Scotland • Sydney, Australia (licensee)

ANNUAL CAPACITY:
(⅛-inch basis) 36,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe.
PERSONNEL:
O. L. Hogan, pres.; E. B. Knox, sls. & gen. mgr.; A. M. Dunham, plant supt. & plant mgr.

VALSETZ LUMBER CO.

Valsetz, Ore.
Home office: 807 Terminal Sales Bldg., Portland, Ore.
Phone: CA 7-3521
ANNUAL CAPACITY:
(⅛-inch basis) 152,000,000 sq. ft. Douglas fir & hemlock.
EQUIPMENT:
1 lathe.
PERSONNEL:
Hall Templeton, pres.; H. F. Thomas vice-pres. & gen. mgr.; Jean Grady, sls. mgr.; Dewey Clay, plant supt.
SALES AGENTS:
Herbert A. Templeton Co., 807 Terminal Sales Bldg., Portland 5, Ore.

VANCOUVER PLYWOOD CO.

Home address: P. O. Box 720, Vancouver, Wash.
Plant address: P. O. Box 1008, Springfield, Ore.
Telephone: OX 3-2517, BU 9-8816; Teletype: Van 648.
ANNUAL CAPACITY:
(⅛-inch basis) 135,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe.
PERSONNEL:
Frost Snyder, pres.; Robert A. Kendall, gen. mgr.; P. A. Dame, sales mgr.; Donald E. Rupe, plant mgr.
SALES AGENTS:
Vancouver Plywood Co., Vancouver, Wash.

WEBCO VENEER

P. O. Box 1057
Roseburg, Ore.
Phone: Orchard 3-5148
Home office: 111 Sutter St., San Francisco, Calif.
ANNUAL CAPACITY:
(⅛-inch basis) 70,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe.
PERSONNEL:
Fred W. Payne, pres.; Roy Hill, gen. & sls. mgr.; Virgil Canoy.
SALES AGENTS:
Bennett Veneer Factors, Inc., Portland, Ore.

WESTERN MILLING CO.

P. O. Box 33, Philomath, Ore.
Phone: Waverly 9-4542
ANNUAL CAPACITY:
(⅛-inch basis) 215,000,000 sq. ft. Douglas fir.
EQUIPMENT:
2 lathes.
PERSONNEL:
Stanley Wilt, owner & sls. mgr.; Harold Warren, asst. sls. mgr.; Charles Hibbs, plant supt.

WESTWOOD PLYWOOD CO.

Independence, Ore.
Home office: 1909 South High Sts., Salem, Ore.
Phone: EM 4-8670.
ANNUAL CAPACITY:
(⅛-inch basis) 45,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe.
PERSONNEL:
L. C. Gilley, pres. & gen. mgr.; James F. Robertson, plant supt.

WILLAMETTE VALLEY LUMBER CO.
Carlton Division
Carlton, Ore.
Home office: Dallas, Ore.
ANNUAL CAPACITY:
(⅛-inch basis) 80,000,000 sq. ft Douglas fir.
EQUIPMENT:
1 lathe.
PERSONNEL:
Wm. Swindells, pres., Ralph Boone, gen. mgr.; A. F. Quinin, sls. mgr.; Ed Culter, plant supt., Paul Morgan, plant mgr.

WASHINGTON

ALLEN LOGGING & VENEER CO.
Plant: Forks, Wash.
Home office: 2405 Laurel St., Port Angeles, Wash.
Phone: Frontier 4-3535
ANNUAL CAPACITY:
(⅛-inch basis) 10,000,000 sq. ft. Douglas fir; 22,000,000 sq. ft. hemlock; 10,000,000 sq. ft. spruce.
EQUIPMENT:
1 lathe.
PERSONNEL:
Lloyd Allen, owner; Alvin Kettel, plant mgr.

BAY VENEER, INC.
Route 2, Port Townsend, Wash.
Phone: 707-R-1 and 711-J-12
ANNUAL CAPACITY:
(⅛-inch basis) 30,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe.
PERSONNEL:
Dave Mackey, pres.; Ellis O. Johnson, gen., & sls. mgr. & plant mgr. & supt.
SALES AGENTS:
Bay Veneer Inc., Route 2, Port Townsend, Wash.

BINGEN VENEER & PLYWOOD CO.
P. O. Box 266, Bingen, Wash.
Phone: 4383 & 4884
ANNUAL CAPACITY:
(⅛-inch basis) 160,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe.
PERSONNEL:
D. M. Stevenson, pres.; Harry Schultz, plant supt.

BUCHANAN LUMBER CO.
P. O. Box 196
Olympia, Wash.
Phone: Fleetwood 2-4863
ANNUAL CAPACITY:
(⅛-inch basis) 36,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe.
PERSONNEL:
Donald S. Buchanan, pres. & sls. mgr.; Lester H. Schaller, gen. mgr.

COWLITZ VENEER CO., INC.
Randle, Wash.
Phone: Randle 2434
ANNUAL CAPACITY:
(⅛-inch basis) 11,200,000 sq. ft. Douglas fir; 1,000,000 sq. ft. white pine; 3,050,000 sq. ft. hemlock.
PERSONNEL:
K. F. Marks, pres.; John R. Moore, sls., gen. & plant mgr.; C. H. DeWalt, plant supt.

FARWEST PLYWOOD CO.
Kenmore, Wash.
Home office: 2142 East D St., Tacoma, Wash.
Phone: Fulton 3-5533
ANNUAL CAPACITY:
(⅛-inch basis) 54,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe.
PERSONNEL:
George F. Baum, pres.; Vince Krettz, plant mgr.

HENDRICKS VENEER CO.
P. O. Box 351
Puyallup, Wash.
Phone: TH 5-6691 & 5-6692
ANNUAL CAPACITY:
(⅛-inch basis) 24,000,000 sq. ft. Douglas fir, pine, alder, ash and maple.
EQUIPMENT:
1 lathe; 1 dryer.
PERSONNEL:
Frank R. Hendricks, owner & gen. mgr.; Lawrence W. Bonawits, plant mgr.

LACEY VENEER CO. & RANDLE VENEER CORP.
Box 716, Randle, Wash.
Phone: 2337
Home office: Lacey Plywood, Lacey, Wash.
ANNUAL CAPACITY:
(⅛-inch basis) 55,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe.
PERSONNEL:
Jean Perry, pres.; George Hannaford, gen. & sls. mgr.; Fiore (Joe) Bastinelli, plant mgr. & supt.
SALES AGENTS:
Lacey Plywood, Lacey, Wash.

LY-COL VENEER, INC.
1515 Stewart St.
Tacoma, Wash.

When Selling Plywood FINISH the Sale

The sale isn't finished until the right finish has been sold

Let's face it . . . today's enthusiasm for natural wood will continue *only* if the many beautiful woods you now offer are *natural-finished right.*

The beauty is in the wood but it takes a properly applied finish to dramatize it in wall paneling, cabinets, built-ins and furniture. It's the finish that makes the final impression.

This is where Deft enters the picture in a very important way. Not only is it a finer finish but it also simplifies the application, makes it foolproof and trouble-free.

Even the most *inept* amateur cannot "louse up" a Deft finish.

That's why we say that Deft and Plywood belong together in an ever-expanding natural wood market.

ACCEPT ONE OF THESE DEFT OFFERS:

a. Send us two panels (app. 4" x 12") of each of your plywoods. We will Deft-finish them and return one to you with an explanation of how simply the beautiful finish was achieved.

b. If you prefer to make the test in your own plant, we will gladly send you a sample can of Deft with instructions.

Be GOOD to your WOOD . . . deft-finish it.

A semi-gloss interior finish that seals, primes and finishes. Dries in 30 minutes. No thinning, nothing else to use. A 3-coat job can be completed the same day. Deft will not darken with age.

DESMOND BROS.
1826 W. 54th St., Los Angeles, Calif.

Factories: LOS ANGELES, CALIF.
ALLIANCE, OHIO

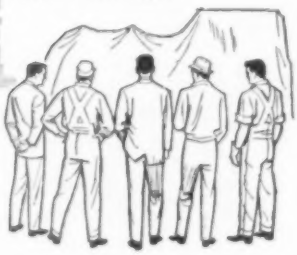
Coming next month

our announcement on . . .

THE NEW

SELECTRIC®

30 HP sawyer operated setworks designed for large West Coast headrig, screw block carriages



Write or call for advance information and quotations before you invest.

LIONEL PEASE
JIM WELLS

MILL EQUIPMENT INC.

5219 1st Ave. So. Seattle 8, Wash.

Phone: Market 7878.
ANNUAL CAPACITY:
(⅛-inch, 3-ply) 24,000,000 (4-foot) Douglas fir.
EQUIPMENT:
1 lathe.
PERSONNEL:
Art W. Lyda, pres.; Roy E. Baker, sec.-treas. & gen. mgr.; Victor Monahan, vice-pres.

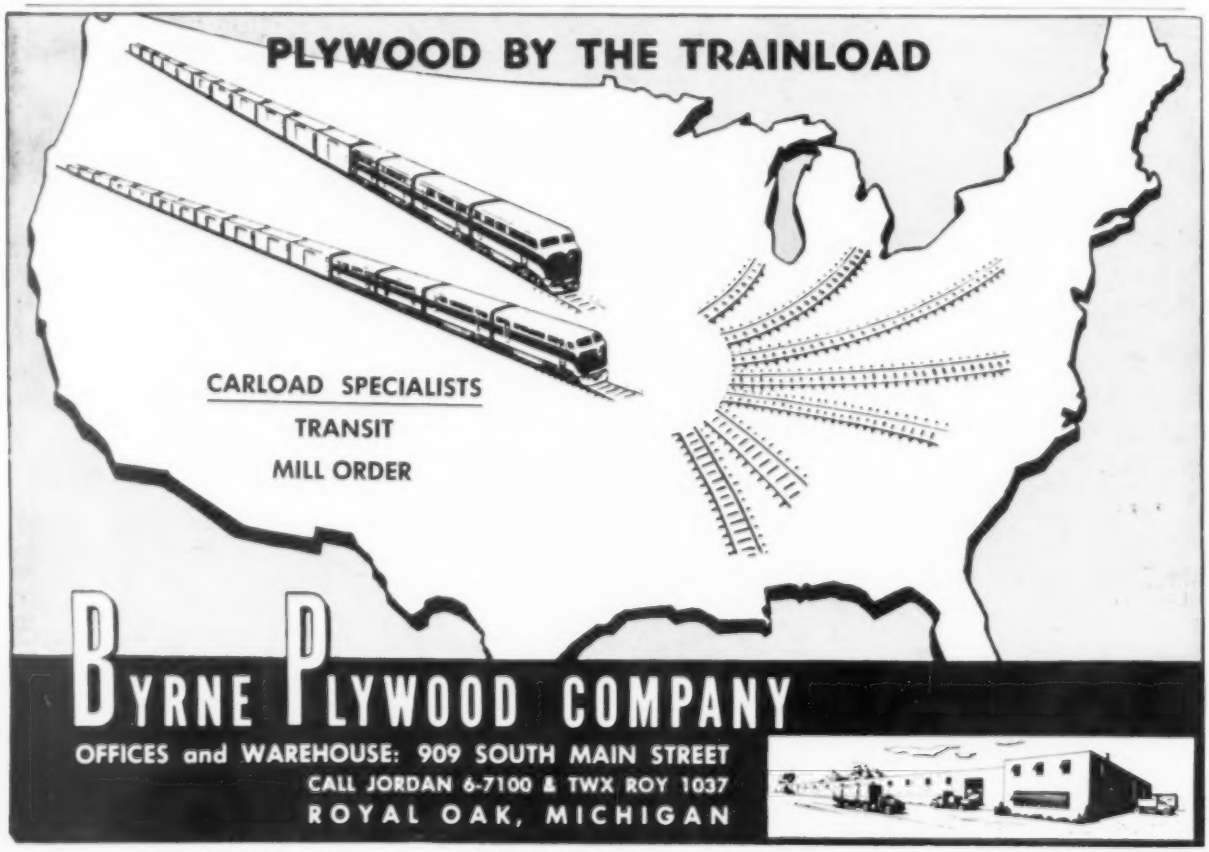
PAC-PLY, INC.
Packwood, Wash.
Phone: 2291
ANNUAL CAPACITY:
(⅛-inch basis) 34,560,000 sq. ft. 29,376,000 sq. ft. Douglas fir; 1,728,000 sq. ft. white pine; 3,456,000 sq. ft. hemlock.
EQUIPMENT:
1 lathe.
PERSONNEL:
Uno Ostrom, pres.; Lloyd Gladson, gen. mgr.; Al Hansen, plant mgr.

POPE & TALBOT, INC.
Port Gamble, Wash.
Home office: 3070 N. W. Front Ave., Portland 10, Ore.
Phone: CA 8-9161; Teletype Port. 51
ANNUAL CAPACITY:
(⅛-inch basis) 137,376,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe.
PERSONNEL:
Geo. A. Pope, Jr., pres., H. Lueddemann, gen. mgr.; S. B. Ferrell, sls. mgr.; W. E. Koch, Jr., plant mgr.

RIDGEFIELD VENEER CO., INC.
P. O. Box 756
Ridgefield, Wash.
Phone: Tucker 7-3581
ANNUAL CAPACITY:
(⅛-inch basis) 30,000,000 sq. ft. Douglas fir; 30,000,000 sq. ft. hemlock.
EQUIPMENT:
1 lathe.
PERSONNEL:
This plant is owned and operated jointly by D. W. Austin, J. A. Wasser, Earl S. Wasser and R. D. Winters.

SEATTLE PLYWOOD CO.
Renton, Wash.
Home office: 5237 East Marginal Way, Seattle, Wash.
Phone: Rainier 0737
ANNUAL CAPACITY:
(⅛-inch basis) 30,000,000 sq. ft. Douglas fir; 20,000,000 sq. ft. hemlock.
EQUIPMENT:
1 lathe; 1 dryer.
PERSONNEL:
Fred J., Frank and Herman Hopkins, partners; George Kersey, plant mgr.

SKAGIT VENEER & LUMBER CORP.
Concrete, Wash.
Phone: 2045
ANNUAL CAPACITY:
29,000,000 (4-foot stock); 6,000,000 sq. ft. Douglas fir; 23,000,000 sq. ft. hemlock.
EQUIPMENT:
1 lathe.
PERSONNEL:
Roy McLaughlin, pres.; G. D. McFadden, gen. and sls. mgr.
SALES AGENTS:
Plywood Veneer, Inc., 400 Boren Ave., N., Seattle, Wash.



TIMBER SALVAGERS, INC.
P. O. Box 356
Snoqualmie, Wash.
Phone: North Bend, Wash. 881202
ANNUAL CAPACITY:
(⅛-inch basis) 16,000,000 sq. ft. Douglas fir; 3,000,000 sq. ft. hemlock.
SPECIAL PRODUCTS:
Specializing in high grade core.
EQUIPMENT:
1 lathe.
PERSONNEL:
Roy Sundberg, pres.; Jack Martin, gen. mgr.
SALES AGENTS:
Sound Veneer & Lbr. Co., 1008 Western Ave., Seattle 4, Wash. Phone: Main 7111.

WIND RIVER VENEER, INC.
Stevenson, Wash.
Phone: Stevenson 3611.
ANNUAL CAPACITY:
(⅛-inch basis) 48,000,000 sq. ft. Douglas fir.
EQUIPMENT:
1 lathe.
PERSONNEL:
R. M. Hegwald, pres. and gen. mgr.; Roman J. Gill, plant supt.
SALES AGENTS:
Diamond Lumber Co., Pittock Block, Portland, Ore.

CEDAR VENEER

See main veneer listing for complete information.

PORT ORFORD PLYWOOD CORP.
P. O. Box 897,
Port Orford, Ore.

WILLAMETTE PLYWOOD CORP.
Happy Camp, Calif.

HARDWOOD VENEER

See main veneer listing for complete information.

DEAN, THE, CO.
Olympic Mfg. Co. division
Gresham, Ore.

TIMBERLINE, INC.
P. O. Box 502,
Crescent City, Calif.

HEMLOCK VENEER

See main veneer listing for complete information.

ALLEN LOGGING & VENEER CO.
Forks, Washington

COWLITZ VENEER CO.
Randle, Washington

DOUGLAS VENEER CO.
Dixonville, Ore.

MIAMI VENEER CO.
Tillamook, Ore.

PAC-PLY, INC.
Packwood, Wash.

PORT ORFORD PLYWOOD CORP.
P. O. Box 897
Port Orford, Ore.

RIDGEFIELD VENEER COMPANY, INC.
P. O. Box 756,
Ridgefield, Wash.

SEATTLE PLYWOOD CO.
Renton, Wash.

SKAGIT VENEER & LUMBER CORP.
Concrete, Wash.

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YOU GET WITH **DISSTON**
GENERATED TYPE CUTTER HEADS

1. No lost life in holding device. Generated cutter designed to use all the cutter form for cutting.
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4. Greater throat room—no loading up and no chip marks on work.
5. Built-in chip breakers—no wear on heads from chips.
6. No holders, clamps or gibs—knife changes are quick and simple.

Got a cutter head problem? We'll be happy to supply you with any information you need on the application of Disston Generated Type Cutter Heads to your own specific problems. Write: Henry Disston Division, H. K. Porter Company, Inc., Philadelphia 35, Pa.

H. K. PORTER COMPANY, INC.
Henry DISSTON DIVISION

TIMBER SALVAGERS, INC.
P. O. Box 356,
Snoqualmie, Wash.
TRINITY ALPS LBR. CO.
Hayfork, Calif.
VALSETZ LUMBER CO.
Valsetz, Ore.

PINE VENEER

See main veneer listing for complete information.

CONIFER WOOD PRODUCTS
P. O. Box 529,
Auburn, Calif.
COWLITZ VENEER CO.
Randle, Wash.
PAC-PLY, INC.
Packwood, Wash.
WILLAMETTE PLYWOOD CORP.
Happy Camp, Calif.

RED FIR VENEER

See main veneer listing for complete information.

CONIFER WOOD PRODUCTS
P. O. Box 529,
Auburn, Calif.

REDWOOD VENEER

See main veneer listing for complete information.

DEAN, THE, CO.
Olympic Mfg. Co. division
Gresham, Ore.
TIMBERLINE, INC.
P. O. Box 502,
Crescent City, Calif.

SPRUCE VENEER

See main veneer listing for complete information.

ALLEN LOGGING & VENEER CO.
Fork, Wash.
MIAMI VENEER CO.
Tillamook, Wash.

WHITE FIR VENEER

See main veneer listing for complete information.

CONIFER WOOD PRODUCTS
P. O. Box 529,
Auburn, Calif.

HARDBOARD PLANTS

ABITIBI POWER & PAPER COMPANY, LTD.
(Sturgeon Falls Division)
Sturgeon Falls, Ontario.
Head office: Iroquois Falls, Ontario.
Executive office: 408 University Ave., Toronto, Ontario.
ANNUAL CAPACITY:
59,000,000 sq. ft. on ⅛-inch basis wet process, 1 press.
PERSONNEL:
D. W. Ambridge, pres. and gen. mgr.; A. P. Jewett, vice-pres. sales; A. L. Farnsworth, mgr.; E. G. Heslop, ass't. mgr:; P. M. Rebin, resident mgr.; W. T. Gauthier, mill supt.

ANACORTES VENEER, INC.
35th and V Avenue, Anacortes, Wash.
Phone: Cy 4-2611.
ANNUAL CAPACITY:
30,000,000 sq. ft, ⅛-inch basis. Process, semi-dry; 1 press.
SPECIAL PRODUCTS:
Punched board.
PERSONNEL:
Earl V. Cheldelin, pres.; Thomas L. Bentley, gen. and sls. mgr.; Eldon H. Shelley, plant mgr.; Arthur C. Carlson, plant supt.

CANADIAN FOREST PRODUCTS, LTD.
(Pacific Veneer & Plywood Div.)
Foot of Braid St., P. O. Box 1040
New Westminster, B. C.
Phone: Lakeview 1-9656.
ANNUAL CAPACITY:
81,000 sq. ft., ⅛-inch basis. Process: wet; 3 presses.
SPECIAL PRODUCTS:
P. V. Brand hardboard (tempered and untempered); utility board, square-tex (natural & prefinished) plank board, aero board (perforated).
PERSONNEL:
John G. Prentice, pres. and gen. mgr.; W. E. Burns, gen. sls. mgr.; G. L. Burgon, hardboard plant supt.; D. M. Zilm, gen. supt.

EVANS PRODUCTS CO.
(Hardboard Division).
P. O. Box 651, Corvallis, Ore.
Phone: PL 3-6673; Teletype 507.
ANNUAL CAPACITY:
29,000,000 ft., ⅛-inch basis. Process: wet; 1 press.
SPECIAL PRODUCTS:
Standard, tempered, prefinished.
PERSONNEL:
R. B. Evans, pres.; Arthur Vandersys, gen. sls., & plant mgr.; Gordon Borchgrevink, plant supt.

FOREST FIBER PRODUCTS CO.

Forest Grove, Ore.
Portland, Ore.
Phone: CApitol 8-9358.

ANNUAL CAPACITY:
60,000,000 sq. ft., ⅛-inch basis.
Process: wet; 1 press.

SPECIAL PRODUCTS:
Sandalwood — all grade standard & treated hardboard.

PERSONNEL:
Harold A. Miller, pres.; Frederick M. Hughes, gen. mgr.; Henry B. Jacobson, sls. mgr.; Gordon E. Tower, plant mgr.

GEORGIA-PACIFIC CORP.

Phone: Congress 7-2161.
Teletype: 822 Coos Bay.
P. O. Box 869, Coos Bay, Ore.

ANNUAL CAPACITY:
78,000,000 sq. ft., ⅛-inch basis.
Dry process, one press.

PERSONNEL:
R. B. Pamplin, pres.; Walter Walling, sls. mgr.; Armin Wehrle, plant supt.; Joseph Stronko, plant mgr.

MASONITE CO. OF CANADA, LTD.

Gatineau, Hull Co., Quebec.
Home office: Sun Life Building, Montreal, Quebec.

ANNUAL CAPACITY:
115,000,00 sq. ft. Process: wet; 3 presses.

SPECIAL PRODUCTS:
Masonite board consisting of Masonite Presdwood, both standard and tempered; quarterboard; Tempertile; and Century of Progress Flooring.

INTERSTATE CONTAINER CORPORATION

Red Bluff, California

A modern plywood plant manufacturing quality D.F.P.A. Grademarked Fir plywood.

INTERIOR SHEATHING **NNP CONTAINER GRADES**

Standard 48 x 96 and **Cut-to-size**

Exclusive Sales Agent:

INTERSTATE PLYWOOD SALES CO.

P. O. Box 670 **Grants Pass, Oregon**
Phone: Greenwood 6-4383 **TWX: Grants Pass Ore 159**

Sales Manager: L. V. "Larry" St. Onge

"Call us for high quality D. Fir, Hardwood, Knotty-Pine and Knotty Cedar plywoods."

PERSONNEL:
P. A. Sargent, pres.; J. M. Coates, vice-pres.; Roy Campbell, sec.; C. S. Volk, treas.; Paul Shoemaker, ass't. sec.; R. M. Archer, gen. mgr.; E. B. Wait, plant mgr.

MASONITE CORPORATION

Laurel, Miss.
Home office: 111 West Washington St., Chicago 2, Ill.
Phone: Franklin 2-5644.

ANNUAL CAPACITY:
870,000,000 sq. ft.

SPECIAL PRODUCTS:
Prime-coating.

PERSONNEL:
John Coates, pres.; W. A. Cotton, vice-pres.; F. O. Marion, gen. sls. mgr.; Donald Gray, vice-pres. & plant mgr.

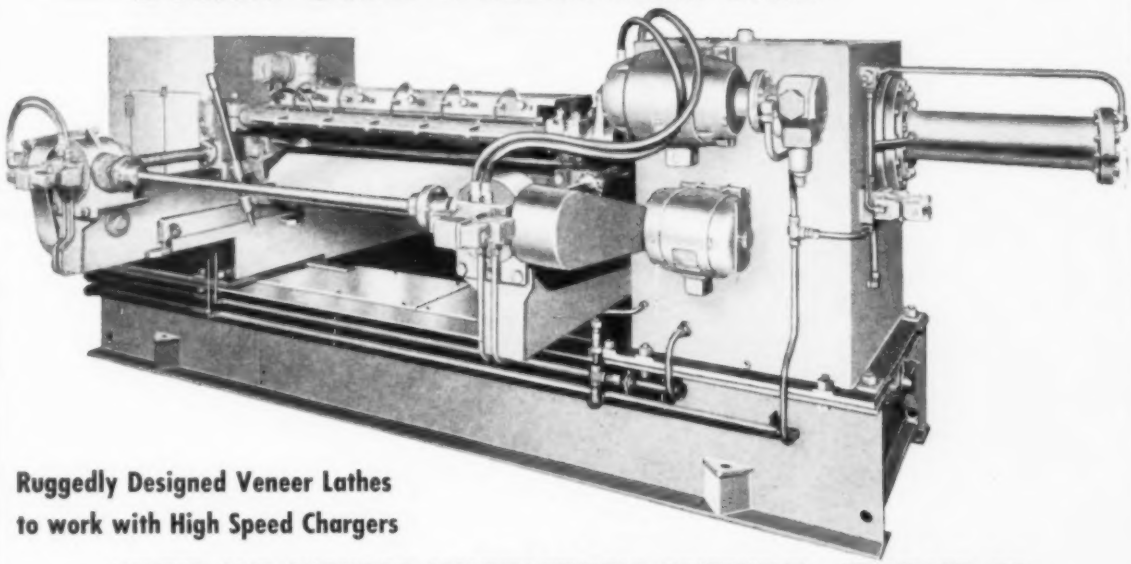
MASONITE CORPORATION

Ukiah, Calif.
Home office: 111 West Washington St., Chicago 2, Ill.
Phone: Franklin 2-5644.

ANNUAL CAPACITY:
230,000,000 sq. ft., ⅛-inch basis.
Process: wet and semi-dry.

SPECIAL PRODUCTS:
Standard presdwood, panelwood, underlayment, Panelply, tempered Presdwood, black tempered Presdwood, concrete form Presdwood, Masonite siding, Shadowvent siding, Ridgewood panels and siding, Panelgroove, tempered Duolux, leatherwood, Tempertile, Dorlux, Pegboard panels and fixtures, lofting board, Benelex 70.

THE BAMFORD PREMIER LINE



Ruggedly Designed Veneer Lathes to work with High Speed Chargers

VENEER AND PLYWOOD MANUFACTURING EQUIPMENT — STANDARD OR ESPECIALLY BUILT TO SUIT THE CUSTOMER'S REQUIREMENTS

MANUFACTURED BY **Premier Gear & Machine Works**

DESIGNED AND SOLD BY **Bamford Special Machinery, Inc.**

FLIEDNER BUILDING, PORTLAND 5, OREGON

INDUSTRIAL ENGINEERS SPECIALIZING IN PLYWOOD AND VENEER PLANTS

PERSONNEL:
John Coates, pres.; William A. Cotton, vice-pres. production; F. O. Marion, gen. sls. mgr.; Dean Thatcher, plant mgr.; J. W. Scott, plant supt. production.

NU-PLY CORPORATION
Midway Drive, Bemidji, Minn.
Phone: 1944.
ANNUAL CAPACITY:
36,000,000 sq. ft., ⅛-inch basis.
Process: dry; 1 press.
SPECIAL PRODUCTS:
Treated hardboard, standard and panel stock. 1/10-inch to ⅜-inch.
PERSONNEL:
A. C. Nasvik, pres.; F. Russell Eggers, gen. mgr.; Ed J. Murphy, sls. mgr.; Archie Gulsvig, plant supt.

OREGON LUMBER CO.
Dee, Ore.
Phone: 4501.
ANNUAL CAPACITY:
65,000,000 sq. ft., ⅛-inch basis.
Process: wet; 1 press.
PERSONNEL:
C. M. Hines, pres.; L. J. Roedel, gen. mgr.; J. M. Tisdall, sls. mgr.; W. J. Runckel, plant mgr.; Vern Herbst, plant supt.

SUPERWOOD CORP.
14th Ave. W. and Waterfront.
Duluth, Minn.
Phone: RA 7-6891.
ANNUAL CAPACITY:
180,000,000 sq. ft. Process: wet; 3 presses.
PERSONNEL:
M. J. Opsahl, pres.; D. V. Hafner, vice-pres. sls.; G. A. Jondal, vice-pres. operations; L. F. Eggersfrand, plant mgr.; M. J. Lake, plant supt.

THE TEMPRON CORP.
P. O. Box 44, El Paso, Tex.
ANNUAL CAPACITY:
100,000,000 sq. ft., ⅛-inch basis.
Dry process.
SPECIAL PRODUCTS:
Insulation board. (Plant to be constructed).
PERSONNEL:
J. F. T. Berliner, pres.; J. G. Stemples, sales mgr.; H. K. Linzell, plant supt.

UNITED STATES GYPSUM CO.
(Pilot Rock Plant)
Drawer 40.
Pendleton, Ore.
Phone: State 2-6100.
Home office: 300 West Adams St., Chicago 6, Ill.
ANNUAL CAPACITY:
48,000,000 sq. ft. Process: dry; 1 press.
PERSONNEL:
C. L. Walton, production mgr.; O. W. Frost, plant mgr.

WEYERHAEUSER TIMBER CO.
Klamath Falls, Ore.
Phone: Tuxedo 2-2522.
Home office: Tacoma Bldg., Tacoma, Wash.
ANNUAL CAPACITY:
80,000,000 sq. ft., ⅛-inch basis.
Process: dry; 1 press.
PERSONNEL:
John B. Bishop, plant mgr.; Wendell Huettl, sls. mgr.; Norman J. Briggs, Jr., plant supt.

WISCONSIN WOOD PRODUCTS, INC.
Phillips, Wisc.
Phone: 2245.
ANNUAL CAPACITY:
30,000,000 sq. ft., ⅛-inch basis.
Process: dry; 1 press.
PERSONNEL:
Harry Gustafson, pres.; Edward A. Leonard, sls. mgr.

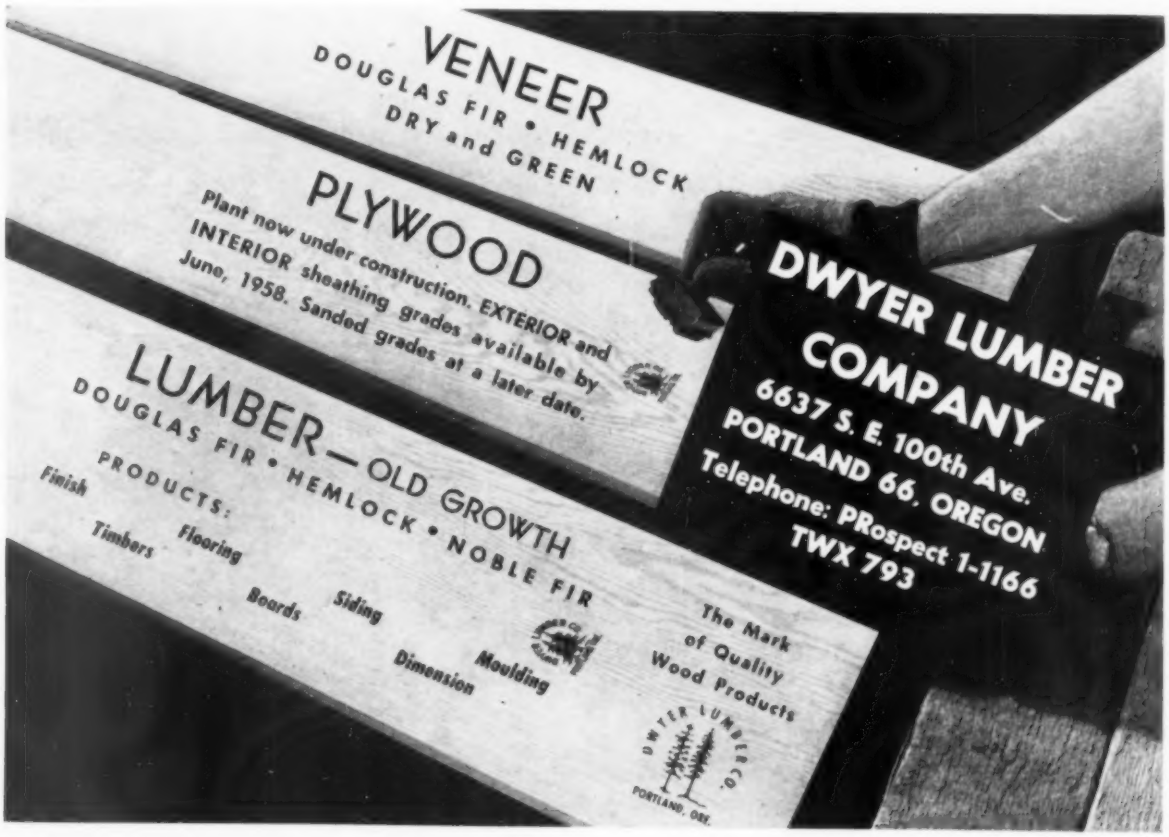
PARTICLE BOARD PLANTS

ABITIBI POWER & PAPER COMPANY, LTD.
(Sturgeon Falls Division)
Sturgeon Falls, Ontario.
Head office: Iroquois Falls, Ont.
Executive office: 408 University Ave. Toronto, Ontario.
ANNUAL CAPACITY:
17,000,000 sq. ft., ⅝-inch basis.
EQUIPMENT:
1 hot press; 1 cold press.
PERSONNEL:
D. W. Ambridge, pres. & gen. mgr.; A. P. Jewett, vice-pres. sales; A. L. Farnsworth, mgr.; E. G. Helsop, ass't. mgr.; P. M. Rebin, resident mgr.; E. C. Hale, mill supt.

AMERICAN FURNITURE CO.
Martinville, Va.

AMERICAN FURNITURE CO.
North Wilkesboro, N. C.

AMERICAN PAPERBOARD CORP.
P. O. Box 458, Black Mountain, N. C.
Telephone: 8541.



ANNUAL CAPACITY:
10,000,000 feet per year. Dry process, 1 press.
SPECIAL PRODUCTS:
Cores for high pressure laminates, cores for furniture, boards for building material trade.
PERSONNEL:
Harold R. Tipton, pres. and sales mgr.; David B. Morgan, Jr., executive vice-pres.; Arthur H. Haight, Jr., technical director; Chester T. Sobol, plant mgr.

BERKLINE CORPORATION
Morristown, Tenn.

BROWNSVILLE PARTICLE BOARD & ASSOCIATED PRODUCTS, INC.
Brownsville, Ore.
Telephone: 2-1371.
ANNUAL CAPACITY:
1,100,000 sq. ft., ¾-inch basis. Process: dry; 1 press.
PERSONNEL:
Joseph E. Clark, pres. and gen mgr.

CAROLINA FOREST PRODUCTS, INC.
North 11th St. (Love Grove), P. O. Box 1251, Wilmington, N. C.
Phone: Roger 3-4656; Teletype WM-78 (U).
ANNUAL CAPACITY:
12,000,000 sq. ft. ¾-inch basis finished. Process: dry; 1 press.
SPECIAL PRODUCTS:
Stock panels and cut to size.
PERSONNEL:
John Colucci, Jr., pres.; George E. Kidder, gen. mgr.; Roy H. Sides, plant mgr.

CASCADES PLYWOOD CORP.
Lebanon, Ore.
Home office: 1316 Public Service Bldg., Portland, Ore.
Phone: CA 7-3648; Teletype PD-149.
ANNUAL CAPACITY:
36,000,000 sq. ft. on ⅛-inch basis. Process: dry; 2 presses.
SPECIAL PRODUCTS:
Perfo-square; Perfo-round; Striboard, Ridge-wood.
PERSONNEL:
C. W. Fox, pres. and gen. mgr.; Orvie Johnson, sls. mgr.; A. E. Anderson, plant mgr.; P. L. Kvale, plant supt.

CAVALIER CORPORATION
343 West First Street, Chattanooga, Tenn.
ANNUAL CAPACITY:
4,000,000 sq. ft. Process: dry; 1 press.
PERSONNEL:
Joseph H. Lane, pres.; Mack W. Moore, gen. mgr.; S. D. Weber, plant supt.; T. Rudd Loder, sls. mgr., particle board.

CHAPWOOD, OREGON LTD.
Philomath, Ore.
Phone: Waverly 9-3885.
ANNUAL CAPACITY:
9,000,000 sq. ft. ⅜-inch basis. Process: semi-dry; 1 press.
PERSONNEL:
Ralph Chapman, pres.; B. N. Woods, gen. & sls. mgr.; Oliver Widness, plant supt.

CHIPBOARD PRODUCTS, INC.
123 N. E. McLearn Road, P. O. Box 7, Grants Pass, Ore.
Phone: Greenwood 9-2280.
ANNUAL CAPACITY:
6,000,000 sq. ft., ¾-inch basis. Process: dry; 2 presses.
SPECIAL PRODUCTS:
Door blanks, lumber banded chipboard.
PERSONNEL:
Walter Holm, pres.; C. M. Starnes, gen. mgr.

CLEAR FIR PRODUCTS CO.
Box 188, Springfield, Ore.
Phone: Riverside 7-3335.
Tetetype: SpFD Ore. 072.
ANNUAL CAPACITY:
8,000,000 sq. ft. Dry process, 1 press.
PERSONNEL:
W. H. Gonyea, pres.; Frank S. Clarke, sls. mgr.; Geo. Mohr, plant supt.; Paul Walsh, tech. mgr.; Jim Nell, plant mgr.

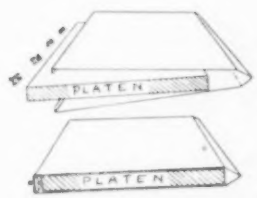
COLUMBIA HARDBOARD CO.
Everett, Wash.
Home office: P. O. Box 1874, Seattle, Wash.
Phone: Seneca 7184.
ANNUAL CAPACITY:
25,000,000 sq. ft., ⅜-inch basis. Process: dry; 1 press.
PERSONNEL:
F. L. Johnson, pres.; Dale Schubert, gen. mgr.; Don Johnson, sls. mgr.; J. E. Mickler, plant supt.

CURTIS COMPANIES, INC.
Clinton, Ia.

DIXIE CHIPBOARD CO.
Rural Hall, N. C.
Phone: Worth 9-2085.
ANNUAL CAPACITY:
3,000,000 sq. ft., ¾-inch basis. Process: dry; 2 presses.

HOT PRESS NEED RESURFACING?

SAVE MONEY—SAVE TIME
WITH PLAT-N-KLAD* SUSPENDED CAULS



Pits, dents, and scratches in your hot press plates are costing you money by causing rejects and poor quality plywoods. It's time you looked into the Plat-N-Klad system for press resurfacing. Sometimes called "Envelope Cauls". Plat-N-Klads slip over the press platens and lock together on the back side to provide a new, flat surface for pressing medium density overlays, hardwoods, and fir plywood. Now in use in mills throughout Washington and Oregon.

* NO NEED TO TAKE PRESS OUT OF SERVICE
* PROTECTS PLATENS IN NEW PRESSES
* RESURFACES PLATENS TOO THIN TO PLANE
* COSTS 60% LESS THAN PLANING
* CUTS PRODUCT REJECTS
* AVOID EXPENSE OF ALUMINUM CAULS

GREAT WESTERN MFG. CO.

1149 N. 98th St., Seattle 3, Wash.

* patent pending

SPECIAL PRODUCTS:
Tubulated extruded board up to 2-inches thick.
PERSONNEL:
T. J. Connelly, pres. and sls. mgr.; J. Grady Goldston, Jr., gen. mgr.; Charles H. Pack, plant supt.

FORMICA, THE, CORPORATION
Farmville, N. C.
Home office: 4612 Spring Grove Ave., Cincinnati 32, Ohio.
Phone: KI-13670.
ANNUAL CAPACITY:
40,000,000 sq. ft. Process: flake; 2 presses.
PERSONNEL:
D. J. O'Conor, pres.; W. F. Drees, sls. mgr.; T. J. Canning, plant mgr.

GRAY PRODUCTS CO., INC.
Waverly, Va.
Phone: TE 4-2408.
Office phone: TE 4-2401.
ANNUAL CAPACITY:
25,000,000 sq. ft. Process: dry; 1 press.
PERSONNEL:
Elmon T. Gray, pres.; E. A. Jarrett, gen. mgr.; Richmond Gray, sls. mgr.

GULF NAVAL STORES CO.
Gulfport, Miss.

HART WOOD PRODUCTS, INC.
Box 27, Hart, Mich.
Phone: 488.
ANNUAL CAPACITY:
2,000,000 sq. ft. Process: dry; 1 press.
SPECIAL PRODUCTS:
Vertical extruded particle board.
PERSONNEL:
W. Lionel Tate, pres. & gen. mgr.; J. Alden Wiedman, plant mgr. & supt.

INTERNATIONAL PAPER CO.
(Long Bell Division)
P. O. Box 1079, Longview, Wash.
Phone: Hamilton 3-2110; Teletype 375.
ANNUAL CAPACITY:
10,000,000 ¼" surface area sq. ft. Process: dry; 1 press.
SPECIAL PRODUCTS:
Decorative flake boards and veneer overlaid boards.
PERSONNEL:
J. D. Leland, vice-pres.; H. G. Kelsey, gen. mgr. of western operations; E. H. Houston, gen. sls. mgr.; T. A. Deal, br. mgr.; F. L. Foval, ass't. to gen. mgr.; F. N. McCullah, panel-board sls; W. R. Kletsch, plant supt.

JASPER-AMERICAN MFG. CO.
Henderson, Ky.
Home office: Box 187, Jasper, Ind.
ANNUAL CAPACITY:
3,750,000 sq. ft. Process: dry; 2 presses.
PERSONNEL:
Arnold F. Habig, pres.; Thomas L. Habig, gen. mgr.; Anthony P. Habig, sls. mgr.; Nestor Kuper, plant mgr.

KROEHLER MFG. CO.
Meridian, Miss.

LANE, THE, COMPANY, INC.
Altavista, Va.
Phone: Forest 9-5641.
ANNUAL CAPACITY:
4,000,000 sq. ft. ¾-inch basis. Process: dry; 1 press.
SPECIAL PRODUCTS:
Furniture core stock.
PERSONNEL:
H. O. Powell, pres.; Edward H. Lane, Jr., gen. mgr.; Frank T. Holland, plant mgr.

LENOIR FURNITURE CORP.
Factory Street, Lenoir, N. C.
Home office: Oak St., Lenoir, N. C.
Phone: PL 4-3421.
ANNUAL CAPACITY:
Approximately 1,000,000 ft. Process: dry; 1 press.
PERSONNEL:
R. T. Broyhill, pres.; C. A. Holden, sls. mgr.; Richard Issac, plant mgr.; Lewis Watson, plant supt.

MISSISSIPPI PRODUCTS, INC.
P. O. Box 492, Livingston Road, Jackson, Miss.
Phone: 60-1551; Teletype 180.
ANNUAL CAPACITY:
4,000,000 ft., ⅞-inch thick. Process: dry; 1 press.
PERSONNEL:
G. A. Huth, pres. & gen. mgr.; C. B. Ryan, vice-pres. in charge of sales; G. F. Bracken, operations mgr.; G. R. Twyman, Division supt.

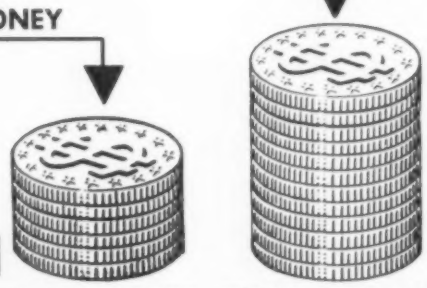
NATIONAL STARCH PRODUCTS, INC.
(Granite Board Division)
Goffstown, N. H.
Phone: LE 2-0060.
Home office: 270 Madison Ave. New York, N. Y.
ANNUAL CAPACITY:
12,000,000 sq. ft. ¾-inch basis. Process: dry; 1 press.
SPECIAL PRODUCTS:
Hardboard and crezon overlaid granite board.

How to solve a problem in

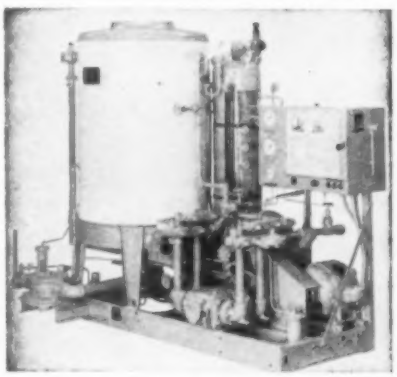
DRY KILN SELECTION

HOW TO GET THIS MUCH KILN

FOR THIS MUCH MONEY



SOLUTION:
Heat it with an automatic Oil Fired
CLAYTON
FORCED CIRCULATION WATER TUBE BOILER



- Only high pressure boiler not requiring constant attendance
- Only boiler with tubes guaranteed 5 years

PLUS THESE FEATURES

- Supplied completely installed
- 50% smaller boiler house
- Less maintenance
- Most dependable
- Completely explosion proof
- Less fuel use
- Scale proof

REACH FOR YOUR PHONE . . .
Call Portland, Oregon, BEImont 5-3165 collect (Woods Product Dept.)

Complete information in the Northwest from

A. W. MORTE SEN CO.
1117 S. E. Morrison — Portland, Oregon
First with packaged boilers in the Northwest

WORLD-WIDE MANUFACTURERS
CLAYTON MFG. CO., Box 550, El Monte, California

West Coast Forest Products

HAMPTON Lumber Sales Co.

TERMINAL SALES BLDG., PORTLAND 5, OREGON

Recognized Source of Quality Plywood Sheathing and Sanded Panels

PERSONNEL:
H. A. Hermsdorf, pres.; A. G. Battaglia, gen. mgr.; P. Brusquini, plant mgr.

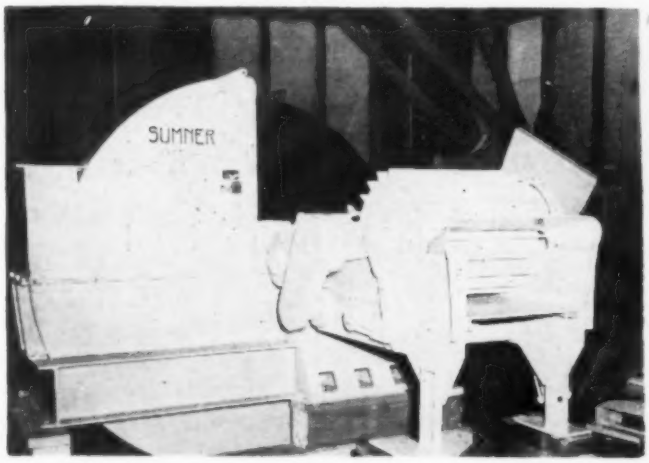
NEALL PRESSED PRODUCTS CO.
3rd and Cherry Sts., San Leandro, Calif.
Phone: LO 25290.
ANNUAL CAPACITY:
6,500,000 sq. ft. 3/8-inch basis.
Process: dry; 1 press.
PERSONNEL:
William E. Hail, sls. mgr.; E. E. Esgate, gen. mgr.; George Frasier, plant supt.

OWOSSO MANUFACTURING CO.
Benton, Ark.

PACK RIVER LUMBER CO.
Home office: 205 Church Ave., Sandpoint, Idaho.
Telephone: COngress 3-3107.
Teletype: Spokane Wash. SP-105.
Plant address: Dover, Idaho.
ANNUAL CAPACITY:
22,000 tons. Dry process, 1 press.
SPECIAL PRODUCTS:
1/4-inch panel stock.
PERSONNEL:
J. M. Brown, Jr., pres.; Ted Wert, gen. mgr.; W. F. Stewart, sls. mgr.; Glen Chronic, plant supt.; Wayne Long, plant mgr.

PACQUA, INC.
Box 78, Dillard, Oregon.
Phone: OSborne 9-8781; Teletype RS 54U.
ANNUAL CAPACITY:
60,000,000 sq. ft. 3/8-inch basis.
Process: dry; 1 press.
PERSONNEL:
William F. Forrest, pres.; Paulus F. McKee, gen. mgr.; John J. Longfellow, sls. mgr.; William H. Cooke, plant supt.

POINSETT LUMBER AND MANUFACTURING CO.
Pickens, S. C.
Phone: 6331; Teletype: 6066.
Home office: Trumbull St., Elizabethport F, New Jersey.



YOU CAN'T HOLD A CANDLE

TO A SUMNER VENEER CHIPPER

★ If your plant produces green veneer waste — let us show you why you can't afford to be without the versatile Sumner Veneer Chipper.

WRITE FOR COMPLETE INFORMATION AND PRICES

SUMNER IRON WORKS
Since 1892
EVERETT, WASHINGTON
In Canada: Canadian Sumner Iron Works, Ltd., Vancouver, Canada

ANNUAL CAPACITY:
2,000,000 sq. ft. Process: dry; 1 press.
SPECIAL PRODUCTS:
Household sewing machines, carrying cases and stools; industrial sewing machine power tables.
PERSONNEL:
Milton C. Lightner, pres.; W. L. Irwin, plant mgr.; H. H. Connelly, plant supt.

POPE & TALBOT, INC.
Oakridge, Ore.
Home office: 3070 N. W. Front Ave. Portland 10, Ore.
Phone: CA 8-9161; Teletype Portland 51.
ANNUAL CAPACITY:
11,000,000 sq. ft. ¾-inch basis. Process: dry; 1 press.
SPECIAL PRODUCTS:
Particle Board; flakeboard.
PERSONNEL:
Geo. A. Pope, Jr., pres.; H. Lueddemann, gen. mgr.; S. B. Ferrell, sls. mgr.; Ralph Peinecke, plant supt.

ROCK ISLAND MILLWORK CO.
2525-4th Ave., Rock Island, Ill.
Phone: 8-6351; Teletype RI 391.
ANNUAL CAPACITY:
20,000,000 feet ⅛-inch basis. Process: dry; 1 press.
PERSONNEL:
E. A. Gerber, gen. mgr.; H. S. Kettrick, sls. mgr.; Dave Haile, plant mgr. (resinwood div.); John Daubert, plant supt.

RODDISCRAFT, INC.
P. O. Box 248, Arcata, Calif.
Phone: VA 2-3631; Teletype 57.
ANNUAL CAPACITY:
15,000,000 sq. ft. ¾-inch basis. Process: dry; 1 press.
PERSONNEL:
R. T. Beggs, pres.; Kirk Cooper, gen. mgr.; R. Rinde and J. Wallenstrom, sls. mgr.; Robert Molloy, plant mgr.; Leroy Hunt, plant supt.

SENCORE INDUSTRIES, INC.
Box 208, Fernwood, Miss.
Phone: 3008 McComb, Miss.
ANNUAL CAPACITY:
6,000,000 sq. ft. ¾-inch basis. Process: dry; 1 press.
SPECIAL PRODUCTS:
Plastic and veneered surfaced board.
PERSONNEL:
Hugh R. Rogers, pres.

SOUHEGAN WOOD PRODUCTION, INC.
Wilton, N. H.

SOUTHERN BOX & LUMBER CO.
Wilmington, N. C.

SOUTHERN PINE LUMBER CO.
Diboll, Tex.

SOUTHERN PLASWOOD CORP.
Hope, Ark.
Home office: 1126 First National Bank Bldg., Jackson, Miss.
Phone: 4-5326.
ANNUAL CAPACITY:
20,000,000 sq. ft. Process: dry; 1 press.
PERSONNEL:
Wade W. Hollowell, pres.; S. D. Camper, Jr., exec. vice-pres. and sls. mgr.; E. J. Ogran, plant mgr. and plant supt.

SWAIN INDUSTRIES, INC.
W. Second St., Seymour, Ind.
Phone: JA 2-4112.
ANNUAL CAPACITY:
5,000,000 sq. ft. Process: semi-dry; 2 presses.
SPECIAL PRODUCTS:
Curved chair backs and seats.
PERSONNEL:
W. F. Battorff, pres.; L. C. Moore, sec. and gen. mgr.; D. B. Swain, vice-pres.; Paul Aikman, plant mgr.; L. J. Heyne, treas.

THOMASON PLYWOOD CORP.
Fayetteville, N. C.

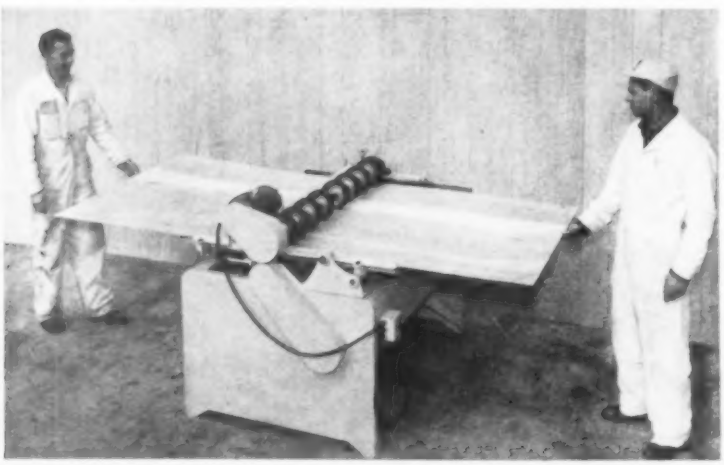
TRAFALGAR MILLS, LTD.
Box 270, South Nelson, New Brunswick, Canada.
Phone: Newcastle 1390 and 1391.
ANNUAL CAPACITY:
15,000,000 sq. ft. ⅜-inch basis. Process: dry; 1 press.
SPECIAL PRODUCTS:
Furniture corestock, sheathing and utility board.
PERSONNEL:
J. Leonard O'Brien, pres.; J. J. Sutherland, gen. mgr.

UNITED STATES KORBOARD
(Division of J. & J. Rogers Co.)
High Point, N. C.
Phone: 23818-23819.
ANNUAL CAPACITY:
20,800,000 sq. ft. Process: Lanewood; 4 presses.
PERSONNEL:
D. E. Johnson, plant mgr.; M. A. Snider, plant supt.

MULTISCORE Panel Grooving Machine

. . . if it's V-grooved, chances are it was "MULTISCORED"

This fast, precise machine *Grooves, Bevels* and *Trims* — PLYWOOD, HARDBOARD, LAMINATES



For custom or production work no other tool can compete in speed or quality output with the Multiscore Groover "58". Widely used by manufacturers, processors and distributors, this machine has been internationally accepted as the best grooving device available today.

MULTISCORE "58" *has these features:*

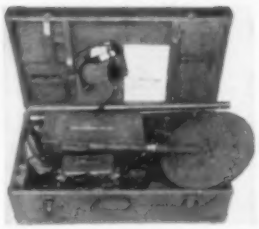
- **Adjustment for spacing and number of grooves.**
- **Adjustment for groove depth.**
- **Adjustment for various panel thicknesses.**
- **Positive 85' per minute power feed.**
- **Carbide on all cutting points.**

Multiscore "58" is shipped set up to specified pattern, ready to groove. Virtually fool proof—anyone can operate this machine.

SPECIAL DESIGNS FOR SPECIAL PROBLEMS. CALL OR WRITE FOR PARTICULARS.

MULTISCORE COMPANY, INC.

1452 Elliott Avenue West **Seattle, Washington**



Metal Detector *Save Machinery!*

Stop the Accident Before It Happens

SCR-625 ARMY MINE DETECTOR

Recommended by U. S. Forestry Service and in numerous articles for finding concealed metal in logs and timber products. The Deutzler Lbr. Co., Parkinston, Miss., reports an estimated savings of $5,000 to $6,000 yearly. Write us for copy of free report of U. S. Forestry Service.

The SCR-625 is a portable instrument which may be used in the field to give an audible indication of buried metal in logs, underground, or in water. It may also be connected permanently with suitable automatic control devices for stopping machinery should imbedded metal in logs be encountered.

Detector is shipped in handy portable carrying case with instructions and ready to operate except for batteries. Ship. wt. 55 lbs. Our recent Government surplus purchase allows the present low price of $79.50 ea.

Batteries, per set—$6.27. Special price to quantity users or dealers upon request.

We maintain service and parts of the SCR-625. Parts price list on request.

ESSE RADIO COMPANY

42 W. South Street Indianapolis 25, Indiana Phone: Melrose 4-8328

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1958 Plywood Directory

Including

- **PLYWOOD DISTRIBUTORS** (of the United States)
- **PLYWOOD AND VENEER PRODUCERS** (Eastern and Western States and British Columbia)
- **HARDBOARD & PARTICLE BOARD PRODUCERS** (of United States and Canada)

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(Shasta Plywood Division—Novoply Dept.)
Anderson, Calif.
Phone: Emerson 5-7631; Teletype And. 18-U and And. 12-U.
Home office: P. O. Box 1688, Redding, Calif.
Executive offices: 55 West 44th St., New York, N. Y.

ANNUAL CAPACITY:
75,000,000 $^{3}/_{8}$-inch basis.
Process: semi-dry; 3 presses.

SPECIAL PRODUCTS:
Various banded specialties.

PERSONNEL:
S. W. Antoville, pres. (New York, N. Y.); G. C. Brewer, vice-pres. of West Coast operations (Redding); K. L. Morrow, gen. mgr.; W. C. Smith, production mgr.; L. H. Boudreau, sls. mgr.

UNITED WOOD CORP.

981 South 8th St., West Memphis, Ark.
Phone: RE 5-5580.

ANNUAL CAPACITY:
9,000,000 sq. ft. (any thickness). 1 press.

PERSONNEL:
D. N. Copp, pres.; Paul Kay, gen. and sls. mgr.; K. E. Scoggins, production mgr.; A. H. Locher, technical director.

VICO CORPORATION

Eldred, Pa.

THE WABASH SCREEN DOOR CO.

2222 Elm St., S. E., Minneapolis 14, Minn.
Phone: Franklin 1-1843.

ANNUAL CAPACITY:
2,500,000 sq. ft. ¼-inch basis.
Process: dry; 1 press.

PERSONNEL:
E. W. Donahue, pres.; W. M. Steinbauer, sls. mgr.; A. M. Struthers, plant mgr.; Roy Knutson, plant supt.

WESTERN PANEL, INC.

1400 18th Ave., Sweet Home, Ore.
Phone: EM 7-2523.

ANNUAL CAPACITY:
8,00,000 sq. ft. ½-inch basis.
Process: Chapman; 1 press.

Campbell & McLean, Inc.

Established 1948

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In Canada: Canadian Sumner Iron Works, Ltd., Vancouver, B. C.

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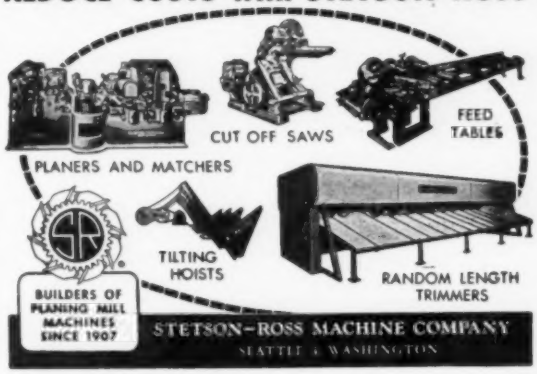

STETSON-ROSS MACHINE COMPANY

SEATTLE 4, WASHINGTON

PERSONNEL:
W. Allen Wodtli, pres. and gen. mgr.; R. L. Rose, plant supt.

WEYERHAEUSER TIMBER CO.
North Bend, Ore.
Phone: Skyline 9-7811.
Home office: Tacoma Bldg., Tacoma, Wash.
ANNUAL CAPACITY:
15,000,000 sq. ft. ¾-inch basis.
PERSONNEL:
A. O. Karlen, plant mgr.; W. T. Ferrer, sls. mgr.; David Isaacson, plant supt.

WILLAMETTE FIBRE AND CHIP BOARD, INC.
Box 516, Sweet Home, Ore.
Phone: EM 7-2154; Teletype 276.
ANNUAL CAPACITY:
5,000,000 sq. ft. ⅛-inch basis.
Process: dry; 1 press.
SPECIAL PRODUCTS:
Veneered particle board.
PERSONNEL:
Hobert O. McQueary, pres.

WOODCORE, INC.
Phone: Scottdale 889.
Box 45.
Scottdale, Pa.
ANNUAL CAPACITY:
3,600,000 sq. ft. ½-inch. Dry process, 1 press.
SPECIAL PRODUCTS:
⅜-inch to 2-inch in thickness. Also cored board.
PERSONNEL:
Irving L. Halsted, pres.; R. W. Westerman, gen. mgr.

WYNNEWOOD PRODUCTS CO.
Jacksonville, Texas.
Home office: Dallas, Texas.
Phone: Whitehall 1-0351.
ANNUAL CAPACITY:
12,000,000 sq. ft. ⅝-inch basis.
Process: dry; 1 press.
SPECIAL PRODUCTS:
40# — 50# — 60# per cubic foot particle board.
PERSONNEL:
Angus G. Wynne, Jr., pres.; Burwell J. Thompson, vice-pres.; K. N. Stordalen, plant mgr.; Delbert Cummins, plant supt.

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Alabama Veneer & Panel Co.
1104 N. McDonough St.
Montgomery, Ala.
Foy Wiginton, gen. mgr.

Bacon-McMillan Veneer Mfg. Co.
Stockton, Ala.
Norman M. McInnis, Jr., pres.
Warren D. Gause, sales mgr.
George E. Catrett, plant supt.
Norman M. McInnis, Jr., gen. mgr.

W. E. Belcher Lumber Co.
Centreville, Ala.
Bradley Belcher, pres.

Howell Plywood Corp.
Dothan, Ala.
O. E. Howell, pres.

Stremming Veneer Co.
Mapleville, Ala.
John Durham, gen. mgr.

Thompson & Swaim Plywood Co.
Tuscaloosa, Ala.
M. M. Swaim, partner.
Mrs. Louise Thompson, partner.

ARKANSAS

Delta Plywood Corp.
Cotton Plant, Ark.
D. D. Bush, pres. & sls. mgr.
H. P. Parnell, plant supt. & plant mgr.

McKnight Veneer & Plywoods, Inc.
Dr. 226.
West Helena, Ark.
F. R. McKnight, pres.
R. W. Fey, gen. mgr.

Owosso Manufacturing Co.
Benton, Ark.
Paul M. Leird, pres. & gen. mgr.
Don Leird, sls. mgr.
Paul Mooney, plant supt. & plant mgr.

DELAWARE

Atlas Plywood Corp.
Laurel, Del.
Robert A. Mueller, pres.

FLORIDA

Florida Veneer Co., Inc.
P. O. Box 86, Monticello, Fla.
W. T. Berry, III, pres.

Greenville Plywoods, Inc.
Greenville, Fla.
W. C. Prince, pres. & gen. mgr.

Howell Plywood Corp.
Caryville, Fla.
O. E. Howell, pres.

Southern Plywoods, Inc.
P. O. Box 448
Greenville, Fla.
Julius J. Stern, pres.
J. O. Cooke, sls. mgr.
Wade T. Jones, plant supt.
Peter J. Stern, ass't. mgr.

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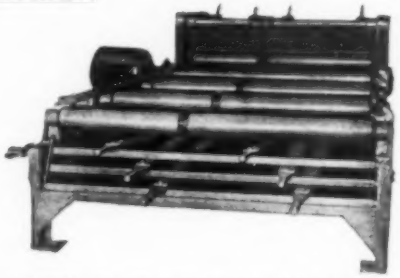

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Waldo Bradley, pres.

Georgia Lumber & Veneer Corp.
Toomsboro, Ga.
Robert B. Roesing, pres.

Georgia-Pacific Corp.
(Hardwood Plywood Division)
Box 1350.
Savannah, Ga.
R. B. Pamplin, pres.
O. R. Cheatham, chr. bd.
R. C. Schmidt, sls. mgr.
S. R. Kesler, plant supt.
C. D. Wheeler, gen. mgr.
R. B. Westgate, plant mgr.

Georgia Plywood Corp.
E. Jackson Street
Dublin, Ga.

Pioneer Products, Inc.
Doctortown, Ga.
J. Y. McCann, vice-pres.

Prinsho Veneer Company, Inc.
Valdosta, Ga.
J. C. Woodward, Jr., pres. & gen. mgr.
Jack Gayle, sls. mgr.
B. S. Hightower, plant supt.

Valdosta Plywoods, Inc.
East Savannah Avenue
Valdosta, Ga.
D. E. Nichols, pres.
H. J. Feely, sls. mgr.

INDIANA

Breece Veneer & Panel Co.
New Albany, Ind.
J. E. Breece, pres.

The Hoosier Panel Co.
New Albany, Ind.
A. O. Binford, pres.

Jasper Wood Products Co., Inc.
13th and Leopold Street
Jasper, Ind.
V. J. Gramelspacher, pres.
George Kieffner, plant supt.
C. U. Gramelspacher, gen. mgr.
Edgar Hoffman, plant mgr.

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3131 West Market St., Louisville 12, Ky.
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F. A. Bade, Jr., gen. mgr.
O. Sweeney, plant mgr.
Lyn Palin, sls. mgr.
R. Heavrin, plant supt.

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Higgins Industries, Inc.
P. O. Box 8169.
Michoud, La.
Frank O. Higgins, pres.
Edwin Paul Crozat, sls. mgr.
E. C. Higgins, plant supt.
E. Douglas Johnson, vice-pres. & treas.

Ipik Door Company, Inc.
Kenner, La.

MAINE

Atlas Plywood Corp.
Greenville, Me.
Robert A. Mueller, pres.

Atlas Plywood Corp.
Houlton, Me. (2 plants)
Robert A. Mueller, pres.

Atlas Plywood Corp.
Howland, Me.
Robert A. Mueller, pres.

Atlas Plywood Corp.
Patten, Me.
Robert A. Mueller, pres.

Allen Quimby Veneer Co.
Bingham, Me.

MICHIGAN

Atlas Plywood Corp.
Gladstone, Mich.
Robert A. Mueller, pres.

Atlas Plywood Corp.
Munsing, Mich.
Robert A. Mueller, pres.

Atlas Plywood Corp.
Newberry, Mich.
Robert A. Mueller, pres.

MISSISSIPPI

Fernwood Industries
Fernwood, Pike County, Miss.
Lamar Ramsay, pres.
W. R. Watkins, Jr., sls. mgr.
L. E. Ramsay, gen. mgr.

T. C. Fuller Plywood Co.
P. O. Box 693.
Laurel, Miss.
T. C. Fuller, pres.

Jamestown Veneer & Plywood Corp.
Jackson, Miss.
Harry H. Sims, pres.
Joseph J. Cusimano, sls. mgr.

Pascagoula Veneer Co.
Pascagoula, Miss.
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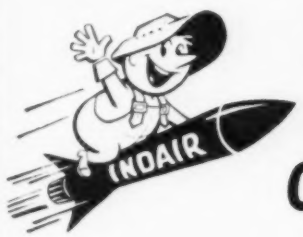

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Maynard L. Atkins, plant supt.
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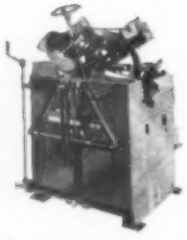

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Lexington, N. C.
L. M. Grimes, Sr., pres.
C. H. Hargrave, gen. mgr.

Hasty Veneer Co., Inc.
Box 417
Maxton, N. C.
J. Thomas John, pres.

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Laurinburg, N. C.
J. F. McNair, Jr., pres.
A. J. Spivey, gen. mgr.

McLeod Plywood Box Co., Inc.
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J. F. McLeod, pres.

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Lyman C. Martin, pres.
C. B. McKeehan, sls. mgr.
H. E. Ross, plant supt.
R. F. Kulmer, gen. mgr.
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Grady Palmer, pres.

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Statesville, N. C.
E. M. Shelton, pres.

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Weldon, N. C.
R. B. Metcalfe, pres.

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V. J. Gamelspacher, pres.

Penn Veneer Company, Inc.
P. R. R. & Sumner Street
York, Penn.
Clair S. Kauffman, owner & pres.
George L. Jacobs, plant mgr.

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Carolina Veneer & Plywood Co.
P. O. Box 1292
Florence, S. C.
Walter D. Tyler, Jr., pres.
Dan W. Tyler, sls. mgr.
Walter D. Tyler, Jr., gen. mgr.

Coastal Manufacturing Co.
Denmark, S. C.
R. L. Zeigler, mgr.

Darlington Veneer Company, Inc.
4th Street
Darlington, S. C.
Jack Ramsey, pres.
Joe Shuman, plant mgr.

Drexel Furniture Company
P. O. Box 337
Kingstree, S. C.
J. C. Gregory, plant supt.
W. B. Bower, plant mgr.

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Park Avenue, P. O. Box 161
Johnston, S. C.
Homer N. Meier, pres.
H. C. Stubbs, Jr., gen. plant and sales mgr.
L. D. Branan, plant supt.

King Veneer Company, Inc.
Florence, S. C.
Clarence Stimpson, Jr., pres.

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J. L. Boan, sls. mgr., gen. mgr., plant mgr.

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L. W. Anderson, pres.
R. W. Anderson, v. pres. & gen. mgr.
W. J. Baird, plant mgr.

Stilley Plywood Co., Inc.
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Conway, S. C.
E. D. Spires, gen. mgr.

United States Plywood Corp.
P. O. Box 524
Orangeburg, S. C.
S. W. Antoville, pres.
B. P. Adams, Jr., gen. mgr.
H. E. Back, Jr., plant mgr.
Carl B. Cease, Jr., sls. mgr.

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South Congress
Winnsboro, S. C.
S. R. McMaster, Jr., pres.
Quay W. McMaster, sls. mgr. & gen. mgr.
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The Mathes Company
Center, Tex.
Curtis Mathes, pres.

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Robert A. Mueller, pres.
Bradford Veneer & Panel Co., Inc.
Bradford, Vt.
W. J. Farr, pres.
W. J. Farr, sales mgr.
E. Aldrich, plant supt.
Walter Lee, plant mgr.
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Lyndon F. Fyles, pres.
Cleveland S. Fyles, gen. mgr.
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Hancock, Vt.
J. H. McNerney, pres.
H. C. Fidler, gen. mgr.
S. G. Perry, plant supt.
R. G. Sherman, plant mgr.
Owens-Illinois Plywood Co.
North Troy, Vt.
J. H. McNerney, pres.
H. C. Fidler, gen. mgr.
R. A. Leavitt, plant supt.
E. N. Hanley, plant mgr.
Pilgrim Plywood Corp.
Waterbury, Vt.
Alton W. Wheeler, pres.
Raymond A. Neill, plant mgr.

VIRGINIA

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Burkeville, Va.
W. H. King, pres.
Henry County Plywood Corp.
Ridgeway, Va.
R. P. Gravely, Jr., pres., gen. mgr., & sls. mgr.
J. E. Wheeling, plant supt.
R. E. Palmer, plant mgr.
Interstate Veneer Co., Inc.
Emporia, Va.
Virginia G. Little, pres.
Old Dominion Plywood Corp.
Commonwealth Avenue
Bristol, Va.
C. J. Stone, Sr., pres.
W. A. Harkleroad, plant supt.
Virginia Plywood Corp.
Danville, Va.

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This easy-to-file, 20-page catalog is packed with information useful in ordering Greenlee Tools. See your jobber or write for name of a distributor in your area.

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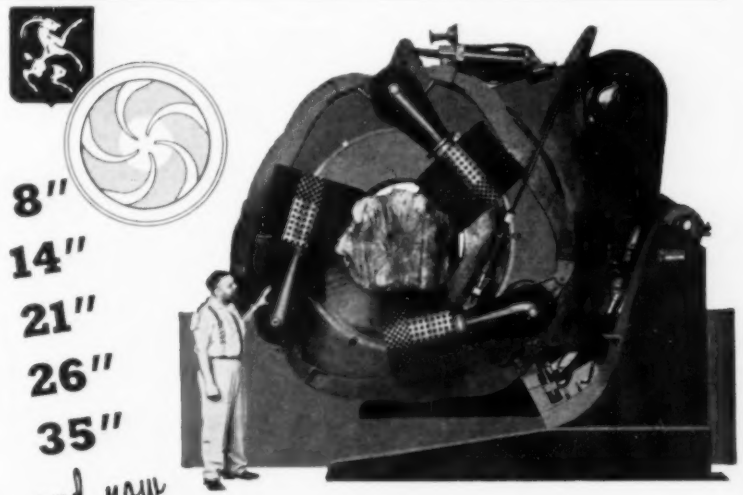

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Ships In Oversupply As The Year Ends

By ROBERT C. HILL

Changes in the shipping situation during the month have been of minor importance. The industry continues to wallow in depression, both as to rates and cargo volume, that is world wide. In the last four weeks, rate levels have fluctuated slightly, in some instances downward. Ship owners have their backs to the wall and are refusing to accept business that surely represents a loss.

In recent weeks an increasing number of vessels, both American and foreign flag, have been withdrawn from service and laid up. Others are in ballast returning to home ports to lie idle. There have been instances where owners have accepted offers that failed to cover costs but which to some extent absorbed the expense of getting back to a home port to join other idle units.

Current rates are not at record low levels due to the fact that since the last war, expenses have risen sharply and owners simply can not commit themselves to certain losses. Operators made good profits in the last three years but there is a limit to the losses they can take in the present dry spell.

VIEWING 1957, it will be recalled that the year opened on a high note of optimism. The uptrend of the market, which began in the fall of 1954, was still pointing skyward and all areas of shipping were filled with optimism. In the spring, signs of a break appeared. The summer period accentuated the deflationary slant and the last quarter found it continuing. However, at the moment the market seems to have leveled off. General opinion is that the bottom has been reached.

Students of the market see no immediate signs of revival. However, they predict with reservations that improvement may be expected by April-May. By that time, it is believed that the supply and relief program of the United States, which has been practically dormant for six months, will again be active, demanding much ship space. Japan has been a heavy purchaser of raw materials but that country has found it expedient to exercise caution and economy. But necessity will bring Japan back into the world's markets to supply materials for her booming industry, of which steel making and shipbuilding are in the forefront.

A REALISTIC VIEW of the trans-Pacific situation is taken by Alf E. Lee, vice-president of the States Steamship Co., following an extended tour of the Orient where he made a careful survey of conditions. He said to THE LUMBERMAN:

"In the Orient, stocks are still heavy accounting for less buying at the moment. But the general picture looks better. Much is tied in with the economy of Japan which is expected to again be an active buyer in the world's markets in perhaps 90 days. Japan is importing some low grade lumber, mostly box stock, from Russia. But that country will again be a good customer for our lumber and logs as soon as her economy will permit. Japan is shipping cotton piece goods to Hong Kong. In the latter market Philippine and Borneo hardwoods are brought in to supply cutup and manufacturing plants. There is a limited demand in

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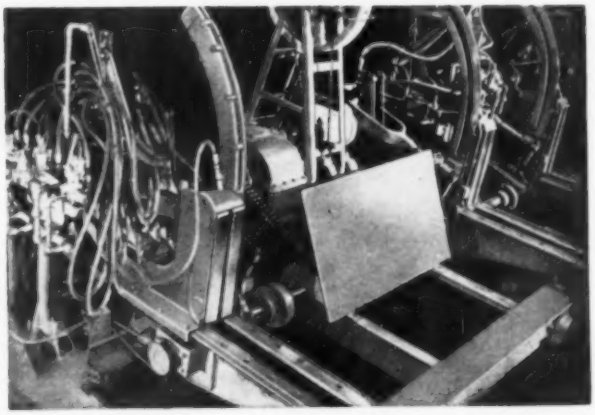

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the Hong Kong area for flour and lumber from the North Pacific.

"From the Philippines a considerable volume of logs and some lumber is being shipped to Japan where this hardwood is worked into plywood and other items. This industry offers a strong competition to the plywood manufacturers of the Pacific Coast."

As the year approaches its end, there is an oversupply of ships seeking business and insufficient cargo to absorb this tonnage. Well informed executives expect the situation to be aggravated by the holidays, as is usual, and thereafter for 90 days the market will continue to drag its feet.

There is perhaps a note of optimism in lumber export circles, especially British Columbia. Compared with other commodities, lumber has been fairly active, charters from the Canadian side having been closed for United Kingdom, South Africa, Australia and North Atlantic. The lower charter levels, as previously noted, have stimulated foreign buyers who for so many months withheld their orders because of the almost prohibitive cost of lumber, when cargo, insurance and freight were combined. To South Africa, December to February loading, several full cargoes were closed, futures ranging a trifle higher than spot ships. The same situation applies to the intercoastal route where a half dozen foreign carriers will transport lumber from the Canadian side to ports north of Cape Hatteras. One charter is announced, British Columbia and Eureka loading to Australia, at $20 per thousand feet.

In view of the drastic drop in charter rates, the various conferences have been hard pressed to keep pace. In many instances it has been found expedient to establish special rates for specific periods. The Pacific Westbound Conference announces special rates until March 31 on certain forest products to Korea government account; ties been quoted at $44.25 to Pusan and $45.25 to Inchon. Special rates on cottonwood and other logs, piling, poles and timber are in effect until October 31 next. Pulpwood to Japan, Hong Kong and other destinations is also covered by special rates.

ATLANTIC COAST conferences have canceled a proposed 10 per cent general cargo increase which was to have been effective February 1. Originally the higher rates were set for October 1 but in view of the drop in charter rates and the decrease in cargo offerings it was decided to withhold action until the entire situation can be appraised and appropriate measures taken.

A recent survey of port delays, conducted by a London shipping firm, indicates that American Pacific Coast ports have the most satisfactory records. This is attributed largely to the general use of machinery in handling bulk cargoes such as grain, coal, ore and scrap, resulting in quick turnaround.

• Mt. Baker Plywood, Inc., Bellingham, Wash., is installing a new Coe lathe to peel short cores. The lathe will be fed by a new Ederer charger.

Fort Bragg Mill Resumes After Ownership Change

The mill of Mendocino Coast Lumber Co., north of Fort Bragg, Calif., has resumed operations under new ownership of Aborigine Lumber Co. The Swede gang is being operated two shifts, the planer one shift, for a production of 80,000 feet a day of white fir, redwood and Douglas fir studs.

Production of the newly acquired mill gives Aborigine a production of 200,000 feet a day in the area.

Aborigine Lumber is headed by James B. Rogers. Jack Bouldin is vice-president, Olag Bong is mill manager.

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Lumber Prices

• Southern Pine Prices (KD Stock)

Vertical Grain Flooring

	BB	C	D
1x4	205.00	200.00	195.00

Flat Grain Flooring

1x4	150.00	145.00	127.00
1x6	175.00	160.00	130.00

Drop Siding

1x6 No. 106	191.00	170.00	130.00
No. 116	191.00	170.00	130.00

Boards & Shiplap

	1x6	1x8	1x10	1x12
No. 1	130.00	130.00	132.00	170.00
No. 2	78.00	81.00	82.00	97.00
No. 3	66.00	73.00	72.00	72.00

No. 1 Dimension

	12	14	16	18	20
2x4	98.00	98.00	98.00	115.00	115.00
2x6	100.00	100.00	97.00	115.00	115.00
2x8	98.00	96.00	96.00	110.00	110.00
2x10	110.00	103.00	105.00	120.00	120.00
2x12	125.00	113.00	115.00	130.00	130.00

No. 2 Dimension

	12	14	16	18	20
2x4	91.00	93.00	93.00	103.00	103.00
2x6	87.00	88.00	87.00	100.00	100.00
2x8	88.00	87.00	84.00	95.00	95.00
2x10	88.00	90.00	86.00	100.00	100.00
2x12	90.00	90.00	88.00	105.00	110.00

• Western Pine

PONDEROSA PINE

	4/4RW	5/4RW	6/4RW
SELECTS S2 or 4S			
C Select RL	$259.39	$264.56	$260.42
D Select RL	168.47	183.62	172.71

	No. 1	No. 2
SHOP S2S		
5/4	$128.26	$ 95.85
6/4	128.52	95.27

	No. 1	No. 3
COMMONS S2 or 4S		
1x 8" RL	$100.85	$ 66.76
1x12" RL	113.29	71.85
4/4 No. 4 Common S2 or 4S	49.32	

IDAHO WHITE PINE

	4/4RW	6/4RW
SELECTS S2 or 4S		
Choice (C) RL	$271.57	$290.00
Quality (D) RL	174.43	253.31

	Colonial	Sterling	Std.
COMMONS S2 or 4S	No. 1	No. 2	No. 3
1x 8" RL		$152.93	$ 94.88
1x12" RL		169.67	96.64
4/4 UTILITY (#4) S2 or 4S RW&L	55.00		

SUGAR PINE

	4/4RW	5/4RW	6/4RW
SELECTS S2 or 4S			
#1 & 2 Clear RL	$284.14	$285.60	$275.59
C Select RL	276.97	275.93	267.57
D Select RL	197.54	185.24	188.62

	No. 1	No. 2	No. 3
SHOP S2S			
5/4	$133.56	$ 97.45	$ 66.13
6/4	134.36	96.44	65.82
8/4	148.12	107.60	67.28

LARCH-DOUGLAS FIR

4/4 No. 3 Common S2 or 4S	$ 54.37
2x4 No. 1 Dimension RW&L	79.94
2x4 No. 2 & Btr. Dimension RW&L	67.73

• Douglas Fir Lumber Prices

1x8 Utility S4S KD	$ 48- 51.00
2x4 Construction Dimension S4S KD	76- 78.00
1x4 C&Btr VG Flooring KD	170-173.00
1x6 C&Btr Drop Siding KD	152-157.00
1x6 C&Btr S4S KD	170-175.00
1x8 C&Btr S4S KD	170-175.00
1x10 C&Btr S4S KD	170-175.00
1x12 C&Btr S4S KD	215-220.00

CONSTRUCTION Timbers and Plank

3x12 6-20'	$ 80- 83.00
3x12 22-24'	85- 88.00
3x12 26-32'	93- 98.00
4x4 8-20'	77- 80.00
4x4 22-24'	82- 85.00
4x4 26-32'	90- 95.00
6x6 8-20'	75- 78.00
6x6 22-30'	82- 85.00
6x6 32-40'	97-100.00
8x8 8-20'	74- 77.00
8x8 22-30'	79- 82.00
8x8 32-40'	94- 97.00
6x10, 8x10, 10x10, 12x12— 8-20'	74- 77.00
6x10, 8x10, 10x10, 12x12—22-30'	79- 82.00
6x10, 8x10, 10x10, 12x12—32-40'	94- 97.00
Crossties	55- 58.00

CONSTRUCTION Dimension (Green)

2x4 6-24'	$ 63- 66.00
2x6 6-24'	64- 67.00
2x8 6-24'	63- 66.00
2x12 6-24'	64- 67.00

STANDARD & Btr. Boards (Green)

1x4 6-20'	$ 44- 47.00
1x8 6-20'	56- 59.00
1x12 6-20'	56- 59.00

• Douglas Fir Plywood

¼ inch AD SOIS	$ 72.00

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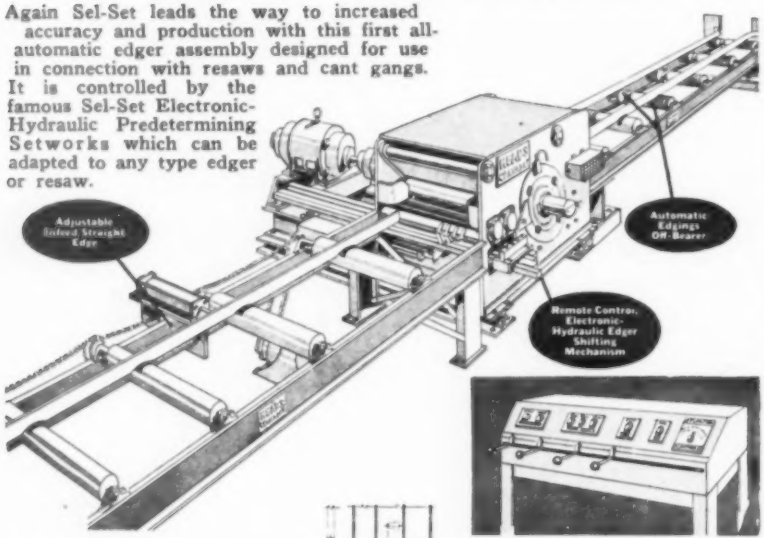
ELECTRONIC-HYDRAULIC EDGER SETWORKS

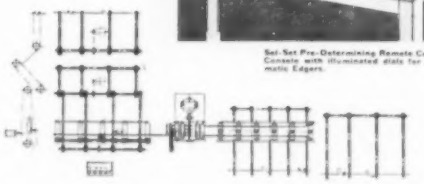
Another First with Sel-Set

Again Sel-Set leads the way to increased accuracy and production with this first all-automatic edger assembly designed for use in connection with resaws and cant gangs. It is controlled by the famous Sel-Set Electronic-Hydraulic Predetermining Setworks which can be adapted to any type edger or resaw.


Adjustable Slotted Straight Edge
Automatic Edgings Off-Bearer
Remote Control Electronic-Hydraulic Edger Shifting Mechanism

Sel-Set Pre-Determining Remote Control Console with illuminated dials for automatic Edgers.

The edgerman's control is designed to function as a conventional edger-shifter mechanism and will materially reduce break-in time for operators.



Shown (above) is a typical schematic layout for a fully automatic edger assembly. This system will increase the capacity of any edger 15 to 20% and insures greater accuracy. At least 1 man can be eliminated who is usually required for off bearing the edger. It includes complete safety features to prevent damage to saws in the event of power or mechanical failure.

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TECO Celebrates 25th Anniversary

Timber Engineering Co., research affiliate of the National Lumber Manufacturers Association, was 25 years old in mid-November and marked the occasion with a special fete at the annual meeting of the NLMA.

A report spanning a quarter century's activities was delivered by Harry G. Uhl, retiring president. Uhl's 37 years of service to the lumber and wood using industries was acknowledged by NLMA and TECO directors with a resolution honoring him for "unswerving devotion to the betterment of the lumber industry."

Uhl recently announced his retirement.

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STOCKS	Paid 1956	This Month Bid	This Month Ask	Last Month Bid	Last Month Ask
Ambassador Oil Com.	$ . . .	4¼	5¼	4½	5½
American Forest Products Com.	1.00 &S	20	23	21	23
Anderson Tully Co., Capital Stock	40.00	300	OW	300	OW
Atlas Plywood Com.	.15	4⅜	C	4¾	C
Atlas Plywood $1.25 Pfd.	1.25	9¾	10¾	9¾	10¾
Biles-Coleman Lbr. Co. Com.	•	17	OW	17	OW
Boise Cascade Corporation, Com.	.50	14½	16	14½	15½
Booth-Kelly Lumber Co., Com.	35.00	675	OW	675	OW
George E. Breece Lbr. Co. Units	•	2½	OW	2½	OW
British Columbia Forest Prod., Com.	.50	8⅜	C	8⅞	C
Brooks-Scanlon, Inc. Com. "A"		21	OW	21	OW
Brooks-Scanlon, Inc. Com. "B"		22	OW	22	OW
Calaveras Land & Timber Co., Com.	2.50	18	21	18	20
Calcasieu Paper Co., Com.	.50	25	OW	25	OW
Cascades Plywood Corp., Com.	2.00	21	23	22	23½
Central Coal & Coke Co., Com.	1.25	28	30	29	32
Cherry River Boom & Lbr., Com.	2.50	21	26	29	32
Chicago Mill & Lbr. Co., Com.	1.25	17½	19	18½	20
Cloquet Lumber Co., Com.	•	1	OW	1	OW
Clover Valley Lbr. Co., Com.	20.00	225	OW	225	OW
Consolidated Naval Stores, Cap. Stock	20.50	570	O	570	OW
Container Corp., Com.	2.50	17½	C	17	C
Container Corp. 4% Pfd.	4.00	84	C	82	C
Crossett Company, Class "A"	.55	25½	27½	25½	27½
Crossett Company, Class "B"	.55	25	27	25	27
Crown Zellerbach, Com.	1.80	47½	C	43½	C
Crown Zellerbach, $4.20 Pfd.	4.20	94½	C	86⅛	C
Curtis Companies, Com.	.40	6½	7½	6¾	7¾
Diarks Forest, Inc.	5.00	110	OW	110	OW
Evans Products Co.	1.60	11¼	C	11⅛	C
Fordyce Lumber Co., Cap. Stock	1.25	39	OW	39	OW
General Plywood, Com.		12⅞	C	10⅝	C
Georgia-Pacific Co., Com.	1.40 &S	25⅞	C	25½	C
Harbor Plywood, Com.	.45	12¾	C	13⅜	C
Edward Hines Lumber Co., Com.	3.00	33	35	33½	35½
Holmes Eureka Lbr., Com.	.10	2¼	3	2¼	3¼
Insular Lumber Co., Com.	1.75	12½	15	13	16
International Paper, Com.	3.00 &S	93¾	C	85¾	C
International Paper, $4 Pfd.	4.00	91	C	85	C
Keyes Fibre Co., Com.	1.20	15½	17	15¾	16¾
Kirby Lumber Corp., Com.	1.00	35	38	33	37
Longview Fibre Co., Com.	2.50	59	63	58	62
Louisiana Central Oil & Gas, Com.	10.00	50	OW	50	OW
Louisiana Long Leaf Lumber Co.	30.00	70	OW	70	OW
Louisiana Sawmill Co., Com.	.75	½	OW	½	OW
MacMillian & Bloedel, "B", Com.	1.00	25½	C	25¼	C
McCloud River Lumber Co., Com.	4.75	55	60	58	63
McCloud River Railroad, Com.	1.00	30	35	30	35
Meadow River Lumber Co., Com.	•	195	OW	195	OW
Medford Corp., Com.	7.00	135	150	155	165
Mississippi Land Co., Cap. Stock	2.30	13	OW	13	OW
Northwest Paper Co., Com.	2.00	27	29	28	31
O. & N. Lumber Co., Cap. Stock	2.00	45	OW	45	OW
Olin Oil & Gas, Com.		15	17	15	16
Ozan Lumber Co., Com.	•	95	OW	95	OW
Pacific Lumber Co., Cap. Stock	12.00	190	220	210	235
Pickering Lumber Co., Com.	.95	7	8	7	8
Pine Tree Manufacturing Co., Com.	3.00	85	OW	85	OW
Pope & Talbot, Inc., Com.	1.35	19	22	19	21
Pope & Talbot, Inc., Pfd.	.30	4¼	5¼	4¼	5¼
Potlatch Forests, Com. X	1.75	39	44	79	89
Powell River Co., Ltd., Com.	1.80	33½	36	33	34
Puget Sound Pulp & Timber Co., Com.	2.00	14	C	13⅞	C
Richmond Cedar Mfg., Com.		½	⅞	⅜	⅞
Richmond Cedar Works, Com.		⅞	1¼	⅞	1⅞
Ritter, W. M., Lumber Co., Com.	1.75 &S	45	50	45	50
Rock Island Millwork Co., Com.	.25	25	OW	25	OW
Roddis Plywood, Com.	.60 &S	8½	9½	8¾	9¾
Southern Minerals Corp., Com.		3	4	3	4
Southwest Lumber Mills, Com.	.45	6	7	6¼	7¼
Tremont Lumber, Com.	1.00	65	OW	65	OW
U. S. Plywood, Com.	2.20	27⅜	C	27¼	C
Union Lumber Co., Com.	1.25	35	40	35	40
United States Lumber, Com.	.40	3½	4½	3½	4½
Upson Company, Com.	1.20	12½	13½	13	14
West Side Lumber Co., Com.	20.00	170	OW	170	OW
Weyerhaeuser Timber, Com.	1.00	31¼	33	30¼	31¾
Winton Lumber, Com.	.92	15	OW	15	OW
Wood Conversion Co., Com.	.40	12	13	11¾	12¾
Wooduse, Inc., Com.		⅜	¾	⅛	OW

BONDS

Georgia-Pacific Plywood, Sub. Deb. 5—1976		67	77	

*Information not available BW—Bids Wanted S—Stock
OW—Offerings Wanted C—Last sale on Exchange where listed or bid
X—Split 2 for 1

THE ABOVE INFORMATION, WHILE NOT GUARANTEED, IS OBTAINED FROM SOURCES WE BELIEVE TO BE RELIABLE

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MACHINERY & EQUIPMENT

Stetson-Ross Offers Panelcraft Printer

A new machine, Panelcraft, to print cutting patterns or identification markings on standard plywood panels has been developed by Stetson-Ross, Inc., Seattle, Wash.

The unit requires an area about 20x6 feet. Two men can operate the machine. It is essentially an extra large cylinder press which will print material from ⅛ to 3 inches in thickness and in various sizes up to 5 feet wide, 16 feet long. Simple thickness adjustment is provided. Machines are built in 4x8- and 5x16-foot sizes.

The machine can be installed in-line with present production machines, or supplied with its own feed chain system. Up to 12 sheets of 4x8-foot panels may be fed per minute. Manual or automatic feeding devices are offered. A brush roll removes dust and foreign material from the stock as it fed to the machine.

•

Shaft Mount Simplified

Shaft mounting design that eliminates all intermediate transmission elements, such as couplings and sprockets, is a feature of a new line of shaft mounted right angle gear motors from one-quarter through five horsepower announced by Sterling Electric Motors, Inc., Los Angeles, Calif. Aluminum construction is another feature.

Stretcher and Cutter By Brainard Steel

An improved stretcher and cutter, Model 7C, has been developed by Brainard Steel division, Sharon Steel Corp. It is used on ¾- and 1¼-inch heavy duty strapping and features light weight and minimum moving parts.

The new Model 7C augments Brainard's line of hand tools in the same manner as the recently introduced PNE and PNC pneumatic stretchers augment the power tool line.

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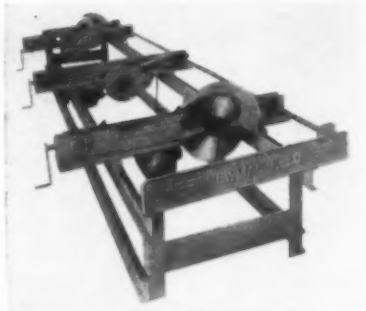
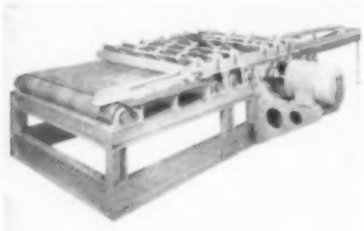


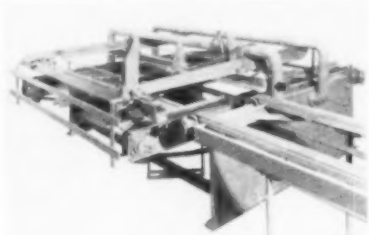
Double End Trimmer Offered by Newman

An accuracy of 1/32-inch, or better, can be maintained with the new K-20 double end trimmer developed by Newman Machine Co., Inc., Greensboro, N. C.

The 20-foot unit will trim from 5 to 20-foot lengths, 7 inches thick, with 22-inch diameter saws. Individual V-belt drives power each saw. The motors are 5-hp, 1800 rpm, 3-phase, 60-cycle units on 220-440 volts.

Either saw may be left stationary when the other saw unit is moved, a desirable feature when the trimmer is used beside an automatic feed table and various lengths of stock are run.





VICTOR SKINNER-TRIMMER SAW installed by E. V. Prentice Co. at Oregon Veneer Co., White City, Ore., features 1-man operation, automatic right angle transferring of stock from the skinner saw into the trimmer. Photo at left is view of infeed side of skinner saw. At upper right in photo is belted transfer table that conveys stock to the trimmer saw. Photo at right shows end of the belted transfer table and the infeed side of the trimmer saw. When the panel is fully fed into angle-iron receivers (arrow) they tilt and drop it upon the trimmer saw feed chains which convey it through the saws.

Hanna Valve Redesigned

The Hanna Flo-Set valve has been redesigned for 1000 psi hydraulic service, compared to 250 psi for the original valve. The new unit is called the Flo-Set 1000, is designed primarily to control the speed of hydraulic cylinders and other hydraulically operated devices.

•

• Gearmatic Company, Ltd., Newton, B. C., has moved into new office and factory facilities which include over 30,000 square feet of space.

PERSONALITIES

The board of directors of The Falk Corporation, Milwaukee, Wis., have elected MATTHEW A. CARPENTER chairman of the board and HAROLD F. FALK president. Carpenter, with the firm for 35 years, has extensive background in sales. Falk succeeds his late father, Harold S. Falk, as president. He has been executive vice-president for the past four year.

A. F. Ederer A. A. Tallquist

A new alignment of executive at Ederer Engineering Co. places A. F. EDERER, son of the founder and head of the company for many years, as chairman of the board and AXEL A. TALLQUIST as president. JOHN C. EDERER becomes vice-president and general manager with responsibility for sales publicity. Also, an executive committee has been established with John Ederer as chairman and including C. W. LUSSIER, advertising and public relations director; B. A. PEARSON, chief engineer; A. J. LUBERTS, chief electrical engineer; RALPH N. TALLQUIST, plant manager; and ARNT PAULSON, general superintendent.

JOHN F. VAN DAM has been appointed to the newly-created post of Los Angeles works manager of Pearless Pump division, Food Machinery and Chemical Corporation and will be responsible for works manufacturing, accounting, industrial relations and engineering.

BUYERS GUIDE AND CLASSIFIED SECTION

List of companies supplying Machinery, Equipment, Supplies and Services used in the Forest Industries

ABRASIVES
Carborundum Co., Niagara Falls, N. Y.
Macklin Co., Jackson, Mich.
Minnesota Mining & Mfg. Co., St. Paul, Minn
The Norton Co., Worcester, Mass.; Los Angeles
Simonds Abrasive Co., Philadelphia, Pa.

ADHESIVES
American Cyanamid Co., New York City
American-Marietta Co., Seattle, Portland, New Westminster, B. C.
Armour & Co., Chicago, Ill.
Bakelite Corp., New York City, N. Y.
Borden Co., Chemical Division, New York City, Seattle
Catalin Corp., New York City, N. Y.
Monsanto Chemical Co., St. Louis, Mo.; Springfield, Mass.; Seattle, Wash.; Springfield, Calif
Perkins Glue Co., Lansdale, N. Y.
Quaker Oats Co., Chemical Division, Chicago, Ill
Reichhold Chemicals, Inc., White Plains, N. Y.; Seattle; San Francisco; Port Moody, B. C.
Resinous Products Div., Rohm & Hass Co., Philadelphia
Swift & Co., Adhesive Product Division, Chicago

AIR COMPRESSORS—AIR TOOLS
Chicago Pneumatic Tool Co., Chicago, Ill.
Davey Compressor Co., Kent, Ohio
Gardner-Denver Co., Quincy, Ill.; Seattle; Portland; San Francisco; Denver, Colo.; Dallas Texas
Ingersoll-Rand Co., New York City, N. Y.
Joy Mfg. Co., Pittsburgh, Pa.
LeRoi Division, Westinghouse Air Brake Co Milwaukee, Wis.
Portland Machinery Co., Portland, Ore.
Quincy Compressor Co., Quincy, Ill.
Worthington Co., Harrison, New York; Portland

AIR CYLINDERS & VALVES
Caldwell Machinery Co., Portland, Ore.
Ledeen Mfg. Co., Los Angeles, Calif.
John M. O'Brien Co., Portland, Ore.

AIR MOTORS
The Elmco Corporation, Salt Lake City, Utah
Gardner-Denver Co., Quincy, Ill.; Seattle; Portland; San Francisco; Denver, Colo.; Dallas Texas
Salem Equipment & Supply Co., Salem, Ore.

APPRAISALS
General Appraisal Co., Seattle; Portland; San Francisco; Los Angeles; Spokane, Wash.; Vancouver, B. C.
U. S. Appraisal Co., Seattle, Wash.

AUTOMATIC SETWORKS
See "Setworks, Automatic"

AXLES
Axle Division, Eaton Mfg. Co., Cleveland, O
Kay-Brunner Steel Production, Inc., Axle Div. Alhambra, Calif.
Memphis Equipment Co., Memphis, Tenn.
Timken-Detroit Axle Division, Detroit, Mich
Standard Forge & Axle Co., Montgomery 2, Ala

BAND WHEEL GRINDING
Wilder Saw Works, Fresno, Calif.

BARKERS
Andrus Mfg. Co., Eugene, Ore.
Drain Machinery & Supply Co., Drain, Ore.
Eureka Boiler Works, Eureka, Calif.
Ederer Engineering Co., Seattle, Wash.
Filer & Stowell Co., Milwaukee; Portland
Hansel Engineering Co., Seattle; Vancouver, B. C
Improved Machinery, Inc., Nashua, N. H.
Nelson Electric Mfg .Co., Tulsa, Okla.
Nicholson Mfg. Co., Auburn, Wash.
E. V. Prentice Co., Portland, Ore.
Sumner Iron Works, Everett, Wash.; Vancouver, B. C.
Soderham Machine Mfg. Co., Talladega, Ala
Western Barkers Ltd., Vancouver, B. C.

BATTERIES
Autolite Battery Corp., Toledo, Ohio
Electric Storage Battery Co., Industrial Div., Philadelphia, Pa.
Pacific Battery Mfg. Co., Portland, Ore.
Prest-O-Lite Battery Co., Inc., Toledo, Ohio
Willard Storage Battery Co., Cleveland, Ohio

BEARINGS
Dodge Manufacturing Corp., Mishawaka, Ind
Fafnir Bearing Co., New Britain, Conn.; Portland
Federal Mogul Corporation, Detroit, Mich.
Graphite Metallizing Corp., Yonkers, N. Y.
Link-Belt Co., Seattle; Portland; San Francisco
J. W. Minder Chain & Gear Co., Portland; Los Angeles
Schafer Bearing Div., Chain Belt Co., Downers Grove, Ill.
SKF Industries, Inc., Philadelphia, Pa.
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Goodyear Rubber & Asbestos Co., Portland
Chicago Belting Co., Chicago, Ill.
Degan Belting Co., San Francisco, Calif.
Fort Worth Steel & Machine Co., Fort Worth, Texas
Flexible Steel Lacing Co., Chicago, Ill.
Gates Rubber Co., Denver, Colo.
Goodall Rubber Co., Trenton, N. J.
B. F. Goodrich Co., Akron, Ohio; Portland; Seattle
Goodyear Tire & Rubber Co., Akron, Ohio; Portland; Seattle
Graton & Knight Co., Worcester, Mass.
Hewitt Rubber Div., Hewitt-Robbins, Inc., Stamford, Conn.
Johns-Manville Corp., New York City, N. Y.
Peat Belting & Rubber Co., Seattle, Wash.
Manhattan Rubber Div., Raybestos-Manhattan, Passaic, N. J.
Scougal Rubber Mfg. Co., Seattle, Wash.
Thermoid Company, Trenton, N. J.; San Francisco; Portland; Houston, Texas; Atlanta, Ga.
Mechanical Rubber Goods Div. — U. S. Rubber Co., New York City, N. Y.; Atlanta, Ga.; Portland; San Francisco

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R. Hoe & Co., New York; Portland; Birmingham Ala.
Metal Processing Co., Portland, Ore.
Pacific Saw & Knife Co., Portland
Simonds Saw & Steel Co., Fitchburg, Mass.; Portland

BLOWPIPE SYSTEMS
American Sheet Metal Works, Inc., Portland
Anderson Blowpipe & Mfg. Co., Seattle, Wash.
Archer Blower & Pipe Co., Seattle, Wash.; Portland
Central California Blowpipe Co., Escalon, Calif.
Conveyair Company Ltd., Vancouver, B. C.
Jacksonville Blowpipe Co., Jacksonville, Fla.
The Kirk & Blum Mfg. Co., Cincinnati, Ohio
National Blower & Sheet Metal Co., Tacoma Wash.
Ohio Blowpipe Co., Cleveland, Ohio
Medford Blowpipe Co., Medford, Ore.
Reder Pneumatics, Inc., Portland; Vancouver B. C.
Rees Blowpipe Mfg. Co., Berkeley, Calif.; Vancouver, B. C.

BOILERS
Gabriel Boiler & Fabrication Co., Portland
Seattle Boiler Works, Seattle, Wash.

BOILER WATER TREATMENT
Coast Neutralizer Co., Portland, Ore.
Standard Chemical & Engineering Co., Seattle (Boil-out Service)

BOLTS and NUTS
Bethlehem Pacific Coast Steel Co., San Francisco, Seattle; Portland; Spokane, Wash.; Los Angeles; Phoenix, Ariz.; Vancouver, B. C.
Northwest Bolt & Nut Co., Seattle

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Drain Machinery & Supply Co., Drain, Ore.
Gunderson Bros. Engineering Corp., Portland
Ilwaco Boat Works, Ilwaco, Wash.
Marine Construction & Design, Seattle
Nichols Boat Works Co., Hood River, Ore.

BRAKES, Air, Electric
Bendix-Westinghouse Automotive Air Brake Co., Elyria, Ohio; Berkeley, Calif.
Power Brake Equipment Co., Portland
Warner Electric Brake & Clutch Co., Beloit, Wis
Westinghouse Air Brake Co., Wilmerding, Pa.

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Champion Friction Co., Ore., Eugene, Ore.
Gatke Corp., Chicago, Ill.
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Goodyear Rubber & Asbestos Co., Portland
Raybestos-Manhattan Corp., Grey Rock Div., Manheim, Pa.
World Bestos Corp., New Castle, Ind.

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Wood Briquettes, Inc., Lewiston, Ida.
Sumner Iron Works, Everett, Wash.

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The Enterprise Co., Columbiana, Ohio
Forest Products Machinery Inc., Salem
Mater Machine Works, Corvallis
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CARRIAGES
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Klamath Iron Works, Klamath Falls, Ore.
Klamath Machine & Locomotive Works, Klamath Falls, Ore.
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Mill Equipment, Inc., Seattle
Monarch Forge and Machine Works, Portland
The Peters Co., Portland, Ore.
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Prineville Machinery and Supply Co., Prineville Ore.

CARRIERS (also see Lift Trucks)
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Hyster Company, Portland; Seattle
Towmotor Corporation, Cleveland, Ohio

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Electric Steel Foundry Co., Portland; Seattle; San Francisco; Houston, Tex.; Spokane, Wash.; Eugene, Ore.
Filer & Stowell Mfg. Co., Milwaukee, Wis.
I'ANCO Products, Vancouver, B. C.; Portland
Klamath Iron Works, Klamath Falls, Ore.
Klamath Machinery & Locomotive Works, Klamath Falls, Ore.
Link-Belt Co., Seattle; Portland; San Francisco
Oregon Steel Foundry Co., Portland
Soule Steam Feed Works, Meridian, Mass.
Western Steel Foundry Co., Seattle; Portland

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Bellingham Chain & Forge Co., Seattle
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Dominion Bridge Co., Ltd., Vancouver, B. C.; Montreal
Portland Chain Mfg. Co., Portland
S. G. Taylor Chain Co., Hammond, Ind.; San Francisco; Seattle; Portland; Denver; Salt Lake City, Utah

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Atlas Chain & Mfg. Co., Philadelphia, Pa.
Chain Belt Co., Milwaukee, Wis.; Seattle; Portland; San Francisco; Vancouver, B. C.
Cullman Wheel Co., Chicago; Los Angeles
Diamond Chain Co., Inc., Indianapolis, Ind.; Atlanta, Ga.; San Francisco; Los Angeles
I'ANCO Products, Vancouver, B. C.; Portland
Jeffrey Mfg. Co., Columbus, Ohio; Seattle; Portland
Link-Belt Co., Chicago; Seattle; Portland; San Francisco
Moline Malleable Iron Co., St. Charles, Ill.; Portland; Tacoma
Morse Chain Co., Ithaca, N. Y.; Seattle; Portland
Peoria Malleable Castings Co., Peoria, Ill.; Portland
Portland Chain Mfg. Co., Portland; Seattle; Bellingham
Seattle Chain & Mfg. Co., Seattle
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Morse Chain Co., Ithaca, N. Y.
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CONTROLS (air, hydraulic, electric)
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Industrial Components, Inc., Portland
Ledeen Mfg. Co., Los Angeles, Calif.
Philadelphia Gear Works, Philadelphia, Pa.; Seattle; Portland; Houston, Tex.
Reliance Electric & Engineering Co., Cleveland, Ohio
Republic Electric & Development Co., Seattle
Valvair Corp., Akron, Ohio; Birmingham, Ala.; Seattle; Portland; San Francisco; Denver; Vancouver, B. C.
Westinghouse Air Brake Co., Wilmerding, Pa.; Dallas, Tex.; San Francisco; Seattle

CONVEYORS
American Sheet Metal Works, Inc., Portland
C & D Welding Service, Redding, Calif.; Denver, Colo.; Vancouver, B. C.
Chain Belt Co., Milwaukee, Wis.; Seattle; Portland; San Francisco; Vancouver, B. C.
Electric Steel Foundry Co., Portland; Seattle, Spokane.
The Enterprise Co., Columbiana, Ohio
Fort Worth Steel & Machine Co., Fort Worth, Texas
Jeffery Mfg. Co., Columbus, Ohio
Link-Belt Co., Chicago; Seattle; Portland; San Francisco
Mathews Conveyors Co., West Soast, San Carlos, Calif.; Seattle; Portland; Dallas, Tex.; Denver, Colo.
Manhattan Rubber Div., Raybestos-Manhattan, Inc., Passaic, N. J.
S. G. Taylor Chain Co., Hammond, Ind.
Thermoid Co., Trenton, N. J.; Houston, Texas; San Francisco; Portland; Atlanta, Ga.
Mechanical Rubber Goods Division, U. S. Rubber Co., New York City; Atlanta, Ga.; Portland; San Francisco.

COUPLINGS (also see hose and couplings)
Cullman Wheel Co., Chicago; Los Angeles
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Falk Corp., Milwaukee, Wis.
F A B Mfg. Co., Oakland, Calif.
Lovejoy Flexible Coupling Co., Chicago
Morse Chain Co., Ithaca, N. Y.
Philadelphia Gear Works, Philadelphia; Seattle, Portland; Houston, Tex.

CRANES, Overhead
Berger Engineering Co., Seattle; Vancouver, B. C.
Colby Steel & Mfg. Co., Seattle
Cyclops Iron Works, San Francisco and Sacramento, Calif.
Ederer Engineering Co., Seattle
Harnischfeger Corp., Milwaukee, Wis.
Star Iron & Steel Co., Tacoma, Wash.
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Markal Co., Chicago, Ill.

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Samuel J. Shimer & Sons, Inc., Milton, Pa.

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Hanna Engineering Co., Chicago; San Francisco; Seattle; Portland; Vancouver, B. C.
Hannifin Corp., Chicago
Ledeen Mfg. Co., Los Angeles, Calif.
John M. O'Brien Co., Portland, Ore.
The Oil Gear Co., Milwaukee; Seattle; Los Angeles
Westinghouse Air Brake Co., Wilmerding, Pa.; Dallas, Tex.; San Francisco; Seattle
Salem Equipment & Supply Co., Salem, Ore

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L-M Equipment Co., Portland, Ore.
Northwest Marine Iron Wks., Portland
Schurman Machine Works, Woodland, Wash

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General Industrial Electric Co., Portland 14, Ore.
The Louis Allis Company, Milwaukee, Wis.
Memphis Equipment Co., Memphis, Tenn.
The Oilgear Co., Milwaukee; Seattle; Los Angeles
Oliver Iron & Steel Corp., Berry Div., Pittsburgh, Pa.; Portland; Corinth, Miss.
Reeves Pulley Co., Columbus, Ind.; San Francisco; Atlanta, Ga.
Reliance Electric & Engineering Co., Cleveland, Ohio
Republic Electric & Development Co., Seattle
Skeen Electric Works, Portland
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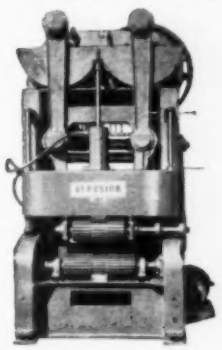

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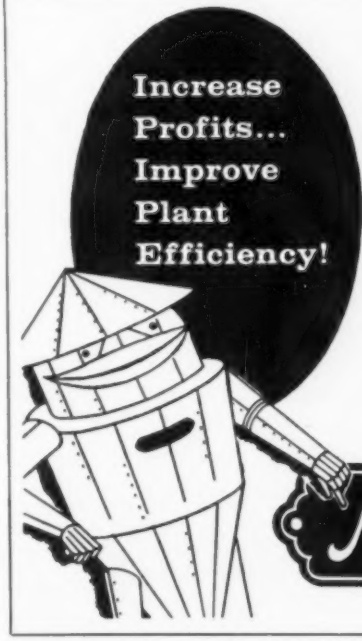

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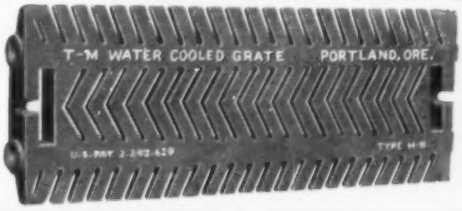

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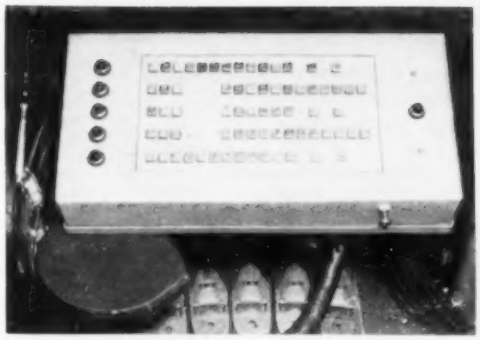

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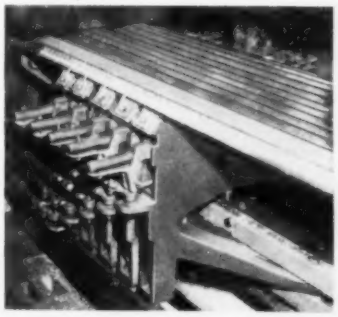

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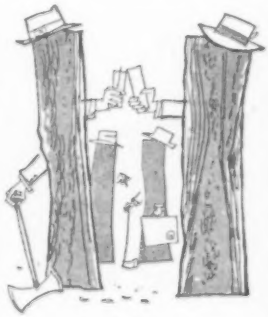

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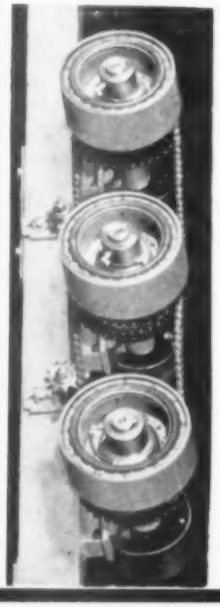

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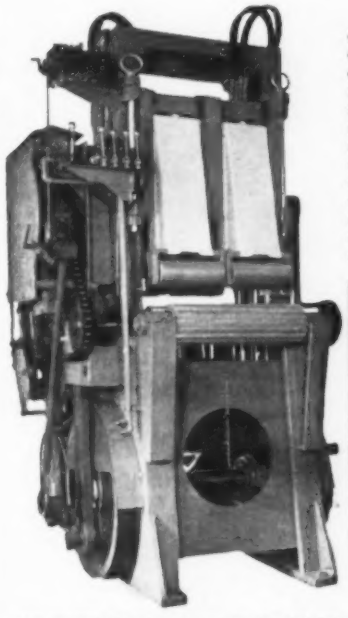

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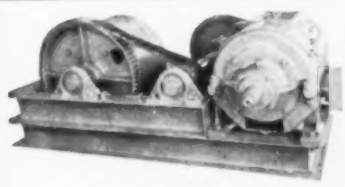

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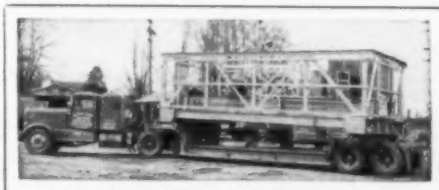

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15" Woods 415M P&M, elec., 10-k., dbl. profile
15" 512 Newman P&M, 8-knife, dbl. profile
15" 77A American P&M, belted
16x20" Stetson-Ross timber sizer
52" Turner twin r. b. band resaw, 50 HP motors
54" McDonough r. b. band resaw, 40 HP motor
66" Salem linebar resaw, 100 HP motor
545 Greenlee 21' double end tenoner
Diehl #750 straight line rip saw, b. b., motor driven
Smith self feed gang rip saw, b. b., motor driven
43" Sheboygan 3-drum sander, b. b., motor driven
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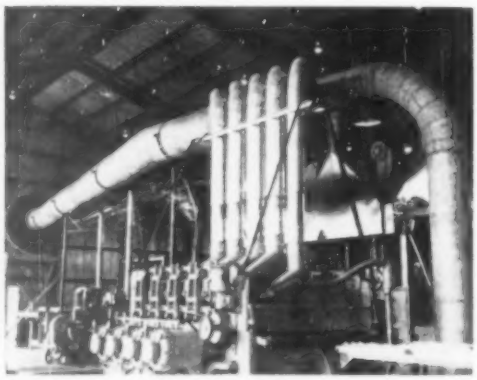

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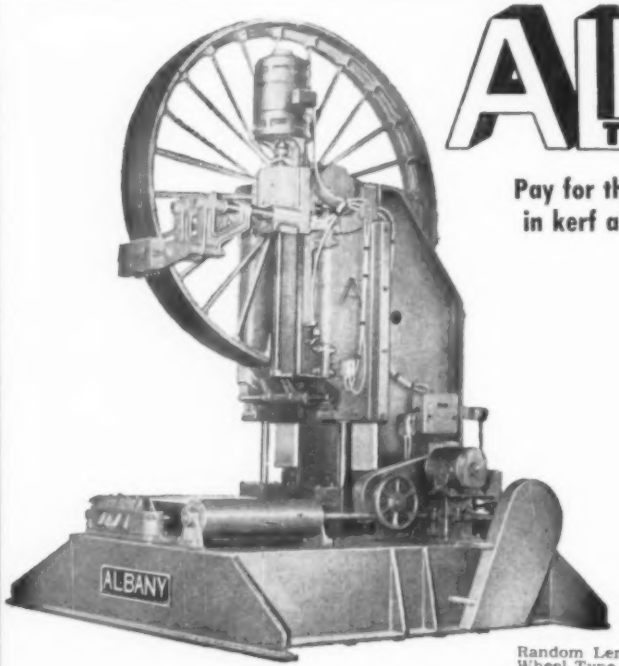

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Used 7A Stetson Rose 6 x 15 10 knife elect.
Used 77A American 6 x 15 8 knife BB planer
Used 608 S. A. Woods 6 x 24 8 knife planer
Used 99 Newman 6 x 15 6 knife planer
New 88 Marathon 4 x 13 4 knife BB planer
Used 100 Neaps 5 x 15 BB pony planer
Used 10 Yates 10 x 30 4 knife sizer
Used 4" Englesfield H. frequency moulder
Used 4"xL Smithway elect. moulder
Used 4" Bamford Premier elect. moulder
Used 969 Fay & Egan elect. moulder matcher
Used C88 Yates-American moulder
Used 8 x 36 Whitney single surfacer
Used 5 x 25 Hermance single surfacer
Used 108 Yates 12" moulder
Used 111 Yates 10" - 5 head moulder

EDGERS

Used 4" x 30" Enterprise 3 saw table edger
Used 4" x 32" American 3 saw stub edger
Used 4" x 36" Newport BB table edger
Used 4" x 42" Newport BB stub edger
Used 6" x 30" Neaps stub edger
Used 6" x 42" Burton 4 gang stub edger
New 6" x 54" Scharman—Latest Model
Used 6" x 60" LH table edger BB
Used 6" x 60" Salem late gang edger—Divided Rolls
Used 8" x 48" Evergreen BB dbbl roll stub edger
Used 8" x 48" Salem BB stud edger, rebuilt
Used 8" x 60" Allis LH roller brg. stub edger
Used 8" x 60" Grays Harbor anti-friction edger
Used 12" x 72" Sumner, split rolls—200 h.p. motor
Used 12" x 84" Sumner Edger

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New Diamond No. 25 hog
New Diamond No. 135 hog
New Diamond No. 145 hog
New Diamond No. 165 hog
Used No. 35 Diamond Hog
Used No. 38 Diamond Hog
Used No. 35 Puget Sound Hog
Used No. 40 Diamond Hog
Used No. 45 Diamond Hog
Used No. 45 Puget Sound BB hog
Used No. 35 Diamond Chipmill, roller bearing
Used No. 65 Diamond Hog
New No. 145 Diamond Chipmill, roller bearing
New 48" Chipmaster for slabs, roller bearing
Used 66" Sumner Chipper—roller bearing
Used 64" Hesse-Ersted 4-knife BB Chipper
Used 72" 3-knife chipper—Bargain Price

RESAWS & RIP SAWS

Used No. 0 American rip saw
Used 36" No. 2 Faye & Egan BB circular resaw
Used 36" Trojan BB circular resaw
Used 42" J. A. Fay & Egan band rip saw
Used 44" McDonough BB band resaw
Used 44" Berlin #111 band rip saw
Used 54" American #111 BB band resaw
Used 54" Mershon, anti-friction brg. tilt rolls
Used 72" Yates #H6 Horizontal band resaw
Used 72" Yates V6 HD band resaw
Used 84" Mershon resaw, sawmill type, quick set

NEW AND USED PUMPS

New 6 x 4 x 6 Worthington Duplex boiler feed
Used Worthington 4" Centrifugal—1000 GPM
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Used 5" x 6" Fairbanks Centrifugal pump—500 GPM
Used 12" x 12" Westinghouse Centrifugal pump—3000 GPM
Used 8" Jeansville 2 stage Centrifugal pump—2000 GPM

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33 cu. ft. New Worthington air cooled
43 cu. ft. New Worthington air cooled
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173 cu. ft. Used Ingersoll Rand, Water Cooled
294 cu. ft. New Worthington air cooled
240 cu. ft. Used Chicago Pneumatic, Water Cooled
311 cu. ft. Used Ingersoll Rand water cooled
324 cu. ft. Used Ingersoll Rand water cooled
465 cu. ft. New Worthington water cooled
500 cu. ft. Used Worthington water cooled
500 cu. ft. Used Ingersoll Rand water cooled
600 cu. ft. Used Jaeger air cooled
750 cu. ft Used Chicago Pneumatic water cooled

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Used American dbl. drum 24 x 24, 40 HP
New Budgit hoists in stock
2 ton and 5 ton hand winches in stock

SHOP TOOLS

Used Oster pipe & bolt threader
Radial drill
Used Sidney geared head lathe
American radial drill
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Kempsmith geared Maximailer
10 x 36 quick change lathe

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New Gardner Hydraulic Shotgun Feed—on order
Used Wheland 5" belt feed
Used 5 x 6 SpeeDee Twin feed
Used 16 x 18 Allis steam twin feed, self-contained
Used 3" hydraulic shotgun

FILING ROOM EQUIPMENT

Used #4 Armstrong Stretcher Roll
Used Vollmer Gang Saw Grinder
Used Covel Gang Saw Grinder
Used 72" Armstrong Gang Saw grinder
New Armstrong No. 4 Stretcher Roll
New Armstrong No. 4 Band Saw Grinder
New Armstrong No. 54 Circular Saw Gummer
Used Armstrong No. 6 Band Saw Grinder
Used Armstrong No. 16 Circular Saw Grinder
Used Covel No. 83 24" Gang Saw Grinder
Used Covel No. 217 RH Band Saw Grinder
Used Covel No. 150 RH Band Saw Grinder
Used Covel No. 109 Stretcher Roll 16" capacity
Used Hanchett No. 250 LH Band Saw Grinder

HEAD RIGS AND CARRIAGES

Used 6' Union Iron Works band mill
Used 54' Allis Chalmers Band Headrig—anti-friction
Used 6' Yates band mill, all cast, LH
Used 8' McDonough bandmill
Used 18' Monarch 3-block carriage Andrus set.
Used 16', 3-block 56" opening steel carriage
Used 18' Monarch 3-block 54" opening steel carriage

LOG AND CANT GANGS

Used 28" Wehrhahn Log Gang, air carriage
Used 34" Mill Engineering log gang, air carriage
New 20" Marathon cant gang
New 20" Marathon for logs or cants
New 28" Marathon No. 300 for logs and cants
New 28" Marathon No. 400 divided roll cant gang
New 28" Linck gang saw

HEADRIGS AND CARRIAGES

Used 14' International 3-block 52" opening steel carriage
Used 18' fabricated 3-block 60" opening steel carriage
Used 8' fabricated 3-block 32" opening steel carriage

KNIFE GRINDERS

New Hanchett DN38 Knife Grinder
used 36" Fay & Egan No. 253 automatic knife grinder
Used American 30" knife grinder
Used American 32" straight wheel knife grinder
New Dependable No. 99A5 36" motor drive, automatic knife grinder
New Dependable No. 101A sidehead grinder
New Defiance 38" motorized automatic knife grinder
Used Berlin 275—36" Automatic knife grinder
Used Dependable 36" knife grinder, cup wheel

MILL EQUIPMENT

New Crescent Lumber Harvester—on wheels
Used Cornith 1 man, 2 saw trimmer, 8' to 20'
New Wheland 1 man, 2 saw trimmer, elect. shift
Used 2-arm Log Stop & Loader, 36" arm, 12 x 16 cyl
Used 3-arm Log Stop & Loader, 42" arm, 16 x 20 cyl
Used 20' Portland Iron Log Turner
4—Used Gerlinger Carriers 42"
Steel Deck with flippers
Used 10" x 12" full oscillating Nigger
Used 6" x 8" full oscillating Nigger for air
Used Simonsen log turner, 12 x 96" cylinder

MISCELLANEOUS

Used Stetson Ross 54" swing saw—BB
Used Hesse-Ersted 6 HP motorized saw arbor
American Columbia 48" oscillating 3 drum sander
Used Irvington 60" arm swing saw
Mercon Johnson 20' precision trim & printer

LARGE MOTORS

Used 300 HP, 1200 RPM BB Fairbanks Morse
Used 300 HP, 600 RPM GE Slip Ring & Control
Used 250 HP, 600 RPM, West. Slip Ring & Control
Used 200 HP, 1200 RPM SB General Electric
Used 150 HP, 720 RPM SB Westinghouse
New 150 HP, 1200 RPM BB Allis-Chalmers
Used 100 HP, 1800 RPM SB General Electric
New 100 HP, 1200 RPM BB Allis-Chalmers
Used 100 HP, 1200 RPM SB Allis-Chalmers
Used 100 HP, 900 RPM SB General Electric
Used 100 HP, 900 RPM SB Fairbanks Morse
Used 100 HP, 720 RPM SB General Electric
Used 75 HP, 1800 RPM BB Louis Allis
Used 75 HP, 1200 RPM SB Allis-Chalmers
Used 75 HP, 1200 RPM SB Allis-Chalmers
Used 75 HP, 1200 RPM SB General Electric
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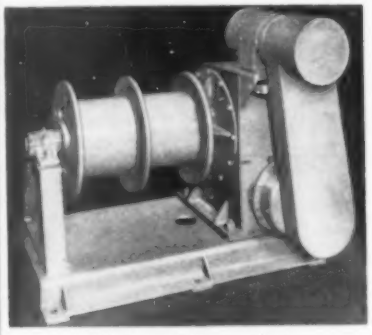

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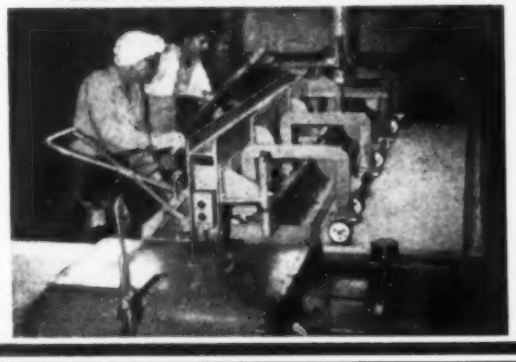

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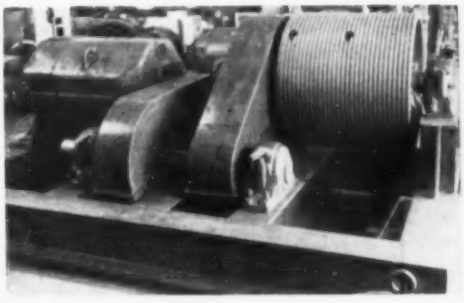

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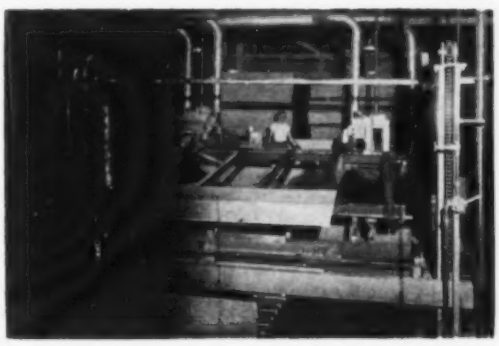

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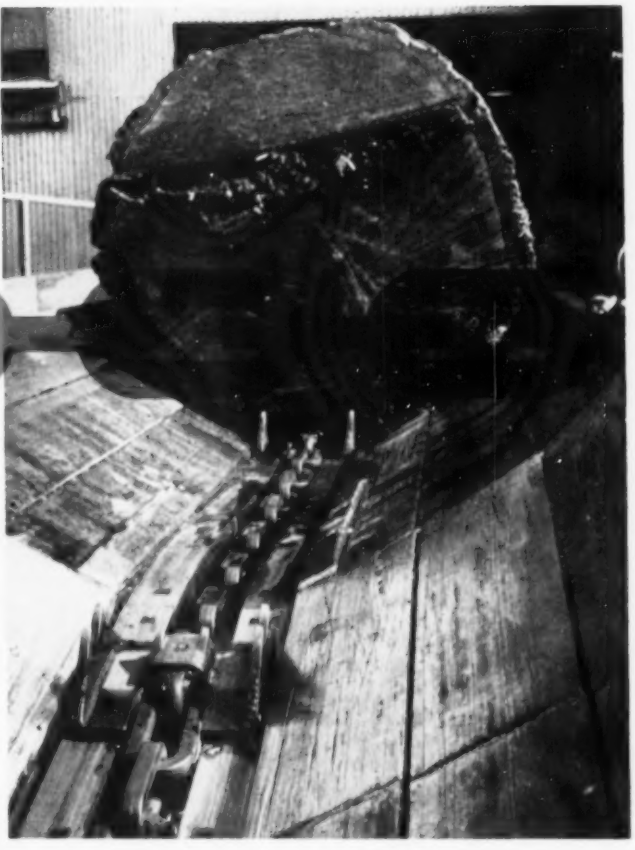
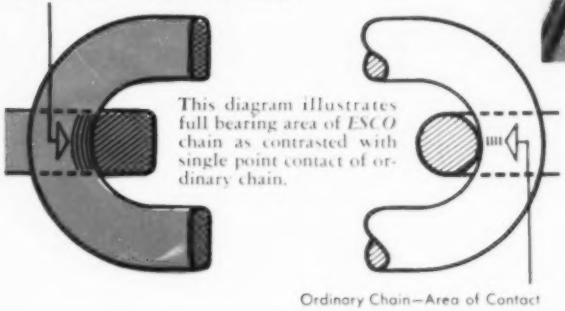


ESCO Solid Cast Chain—Area of Contact



This diagram illustrates full bearing area of *ESCO* chain as contrasted with single point contact of ordinary chain.

Ordinary Chain—Area of Contact

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